

Figure 1

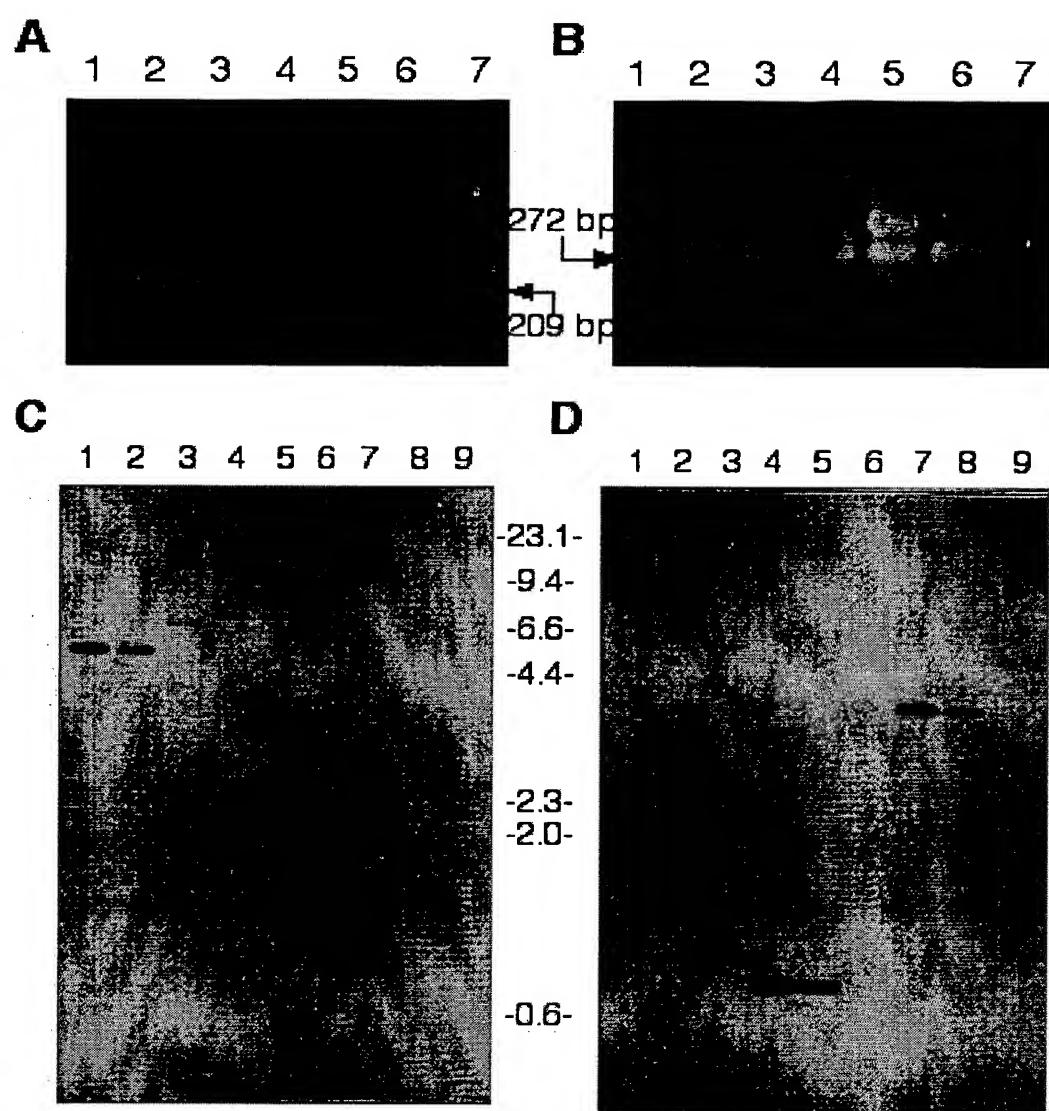


Figure 2

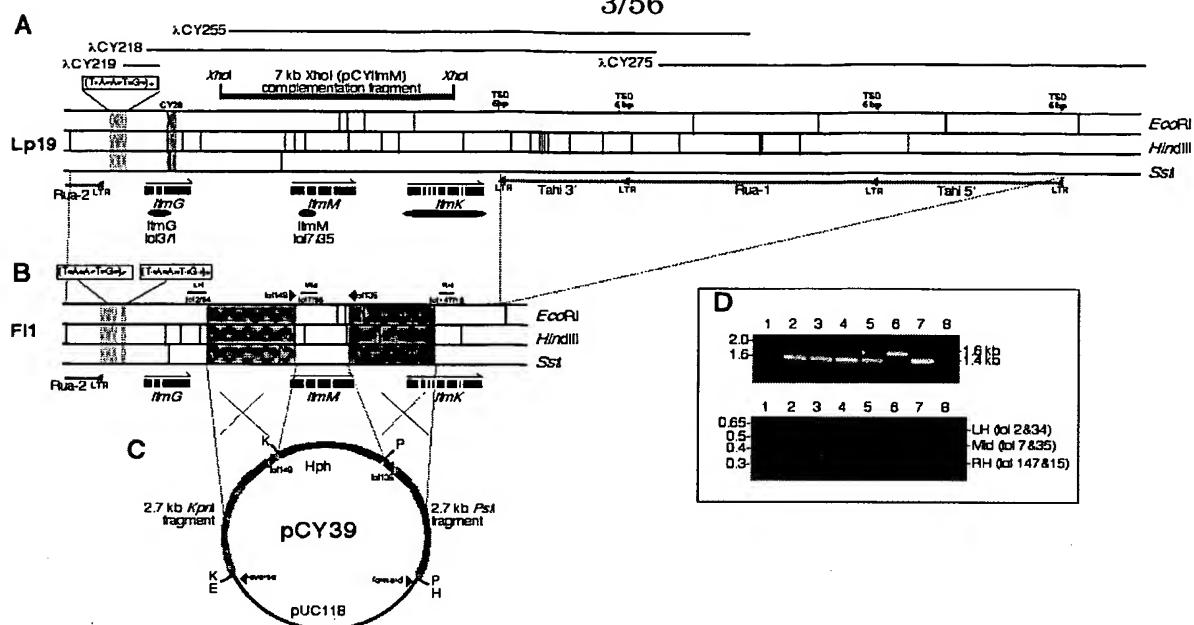


Figure 3

1 ATGACGATGGCTGCCAATGACTTCCATTCAATGCCAGGAGAAGAAATC
51 ATATTCTCAGCCAAGTCTAGTCTACTGCAATGGAACATTGCGGAGACGT
101 ATCTCGAAGAAAAGGTATTATACTGCTCCTTATAATCTGAATGCCAC
151 TTAAAATTAGACAGGTTTGACAGCGCCGTTGGATTATTGCGTGCCTT
201 ACCTAGCAAAGATATTGCACTGGACTGACCGACGCCATTAATGAGTTCC
251 TCGGTGTCAGAGGAAAAGGTTCTTGTCAAAAGCGTATAATTGATCTT
301 CTTCAACATGCATCCTTACTGTAAGTTGAGATTGCAAAACATAGACCTA
351 GTAGATTCTAACTAACAGCTTAGCATGATGATATCCAGGATTCCATCCA
401 AACTGCGACGTGGAGTCCCTGTAGCCCACCACATATTGGAATCGCACAA
451 ACAATAAAATTGGCCAATCTAGCTATTGATTCATTGCCAGAGAGAGCTTGA
501 GAAAGCTTACGAATCCTCGAGCATTGCTATATATAATGAGGAGCTAATCA
551 ATCTGCATCGTGGTCAGGGTATGGAGCTCATTGGAGAGAATCGCTCCAT
601 TGCCCTACCGAAGATGAGTATCTGCAATGATCCAAAAGAAGACAGGCGG
651 TCTGTTCCGATTGGCAATCAGACTGCTGCAAGCGAAAGCGCTAGCGATG
701 ACGATTATGTCTCACTTATTGATACTCTCGGAACCTGTTCCAGATTGCA
751 GATGACTATCAAAACTACAGAGTGTATATATATTCTAAGAACAAAGGCTA
801 CTGTGAGGATTTAACAGAGGGCAAATTCTCGTATCCGGTCATCCATAGTA
851 TTCGGTCGCGACCAGGAGATGTTGATTAATCAATATTGAAACAGCGT
901 AGTGAAGATGTTATGGTGAAGCAATACGCGGTGCAACATATCGAATCTAC
951 AGGAAGCTCGCATTCTGTCAAAATAAAATTCAATCTTGGTGGAGCAAG
1001 CAAGAGAGCAATTGGCGGCTCTAGAAAATAGCAGTTCATGTGGAGGCC
1051 GTTCGCGACATCCTTGACAAGTTAGCAATAAACACGGGCAAATATAGA
1101 AGTAGAGTAG

Figure 4

1 MTMAANDFPF QCQEKKSYSQ PSLVYCNNGNI AETYLEEKVL TAPLDYLRAL
51 PSKDIRSGLT DAINEFLRVP EEKVLVIKRI IDLLHNASLL IDDIQDSSKL
101 RRGVPVAHHI FGIAQTINSA NLAYFIAQRE LEKLTNPRAF AIYNEELINL
151 HRGQGMELHW RESLHCPTED EYLRMIQKKT GGLFRLAIRL LQGESASDDD
201 YVSLIDTLGT LFQIRDDYQN LQSDIYSKNK GYCEDLTEGK FSYPVIHSIR
251 SRPGDVRLIN ILKQRSEDVM VKQYAVQHIE STGSFAFCQN KIQSLVEQAR
301 EQLAALENSS SCGGPVRDIL DKLAIKPRAN IEVE

Figure 5

1 ATGACTAGCGACTTCAAGGTAATAATCGTGGGAGGATCAGTGGCTGGGCT
51 TTCACTAGCCCCTGCTTAGAAAAAATCGGTGTTCTTCATGGTCTAG
101 AGAAGGGTAATCAAATAGCTCCCCAACTCGGTGCCTCAATTGGCATTGG
151 CCAAATGGTGGACGTATTCTTGATCAACTGGGCATCTTCATAGCATCGA
201 GGATGAAATCGAACCTCTAGAATCTGCTATGATGAGATAACCGGATGGTT
251 TCTCTTCAAAAGTCAAATATCCCCAAGCTTGACTAGGTAATAAACAG
301 TGAAAGAAGAGTGGCCTATAAGTGTTCATATATCGCTAACCTCGTGC
351 TAATAGTTGGTTATCCCGTGGCTTCCCTGAGAGGCAAAGGTTCTTC
401 AGATACTTATGATAAAACTCAAGAGCAAAGACTGCCTTTACAAACAAG
451 CGGGTAGTCAGTATTGCAAGTGGCAAGACAAAGTCACAGCAAAGACTTC
501 AGATGGCGCTAAGTACTTAGCAGATATCGTGATCGGTGCTGACGGGGTCC
551 ACAGCATCGTCAGGTAGAGATTGGAGGCATTGAAGGAAAACCTCTCAA
601 ATATCAGTATTAGAGGCACCGAACGCAAGTAGGTTAACCTAGGATTAATT
651 GCAAAGAAACTTACTAATGAGGGAGCCACTTAGGTATTAAGCATGATTA
701 TTCAATGCATTACCGAATTCTTAAACGTTCCCCAGATCATCCTAGGAA
751 TACAGTTAAACTGTTAGATGACGGAGTGTCAATACACTTGTTACGGGT
801 AAACAATCCAATTATTTGGTTGTATCATCAAAACGCCCTCAGGCTAG
851 CTTGCTAAAGTAGAGATTGACAATACACATACAGCAAGGTGTATCGCG
901 AAGGACTGAGGACGAAAAGGTTTCAAGATACCTATGTTGAAGATGTA
951 TGGTCAAGATGCACCATATTCAAGATGACGCCCTTGAGGAAGGGGTGTT
1001 TAAGCATTGGAACTATGCCGCTTAGCATGTATTGGTGATGCTATCCGCA
1051 AGGTATGTGGATGATGCTATATGTCCTATTCTGTGTCATCAGTGGATG
1101 ACAAAAGAAGGCCACTATTCGGCTAATATAATGATCGTATCGCTAAC
1151 ATTAACAGATGGCCCAAATAATGGCAAGGAGCAAATATGGCGATAGAG
1201 GACGCTTGCAGTCGCACACATCCTCAGAAAAAGATATCACATGGTTC
1251 GATTGAGACCAAGATATCAATTCAATGTTCAGGAATTCTCTATGGCTC
1301 AACGGGCTCGCACGGAGAGCGTCTGCGCGAGTCGGAGTTCTAGTCCGC
1351 ATGCATGCGAATCAAGGTATTGGAAGAAGACTCTTGGCGGTACCTTAT
1401 TCCTTCCTGTATGACGCACCTGCTGGTTATCTGGATTTCTATAAGTG
1451 GCGCAACAAGAATAGAGTTCATAGACTGCCCACTAGATCTTGGGGGA
1501 GCGTGGGGAAAGTCATGGAGAGGGTCAAGGGAAATTCACTACAAAGCTT
1551 GGTCTATTGCGACCCAAGTTAGGATAGTTATGCCTGTATCTCGTTG
1601 CAGCTGCAGCTTTATCTGTATTGTCTTAGCAGTCTCTCCCGTAG

Figure 6

1 MTSDFKVIV GGSVAGLSLA HCLEKIGVSF MVLEKGNQIA PQLGASIGIL
51 PNGGRILDQL GIFHSIEDEI EPLESAMMRY PDGFSFKSQY PQALHTSFGY
101 PVAFLERQRF LQILYDKLKS KDCVFTNKRV VSIASGQDKV TAKTSDGAKY
151 LADIVIGADG VHSIVRSEIW RHLKENSQIS VLEAPNASIK HDYSCIYGIS
201 LNVQPQIILGI QLNCLDDGVS IHLFTGKQSK LFWFVIIKTP QASFAKVEID
251 NTHTARCICE GLRTKKVSDT LCFEDVWSRC TIFKMTPLEE GVFKHWNYGR
301 LACIGDAIRK MAPNNGQGAN MAIEDACSLA NILQKKISHG SIRDQDINSM
351 FQEFSMAQRA RTESVCAQSE FLVRMHANQG IGRRLLLGRYL IPFLYDAPAG
401 LSGFSISGAT RIEFIDL PTR SLRGAWGKSW RGSWEFILQS LVYLRPKFRI
451 VYALYLVAAA AFILYCLSSL FP

Figure 7

1 ATGCAATA CGGTAA TTAACA ACTGTATTACTTCTGCGTAATACTTTATT
51 GTCCTTGAATTCTCGTCAATCTGCCATGTTCACTGGCTGCAAGTGATTG
101 TGGCTCTGCTTGTCTGATCGTCTGCATCTTCTATATTGGCGAACACCC
151 ACTGGCATCAATGCTCCTTCGCAGGATATCGTCACCATGGGAGCCGCC
201 GCTCTGGTTCAGATGCGTTACGTCTCAACGCTGCCTCAATGATAACGCG
251 AAGGATATGCTAAGGTATGTTTATCCCGCTAGAGGTCTTCTACCCGGA
301 TAGACCGAGAAGATAACAACTCGGAACAGTGGAAAGACTCCTGTTCCA
351 GATCTCACGATACGACGGTGACATTCTATTGTCCTCCAAGATATTGG
401 ATGACCTCCACAACAAGTCACAAGAGGAGTTAAGTGCTATTATGGTTG
451 ATTGGGGTGAGGAATGCCACCAACCAAAAAACGCAGAGCCTATTAGCGCA
501 TGGTCTCACATATTGAATTGCTAGAATTGGTGGTAGCTATAAGCGGC
551 ATCACCCCTGCTGGAGAAAACGATGTTGGCATTGTCGCGCTCAGGTATG
601 TACACCCTCCAAAAGTCTGTTAGGGACCTCCTTACTCTACTACAGACA
651 AAAATCACCCCAAATCTTGCAGAAATTATGCGATGACATAAGGGATGAGTT
701 TCAGTATTGTCTAGATACAGACTTCCCAGCCTGCAAGAGGTATGCCATTTC
751 CAAAATCCCATTATGCACTCTACTTTCTGGCACTAACGATATCTAA
801 CATAGATTGGACATCAGTGTCCGTGCATCCATTGTTCTAAAAGCAGTCG
851 AAAGGATAACACATCGGATTGGATTGCCATTATGTCGGAATCCC
901 CAATGGGTCCAAGCGACAGCAAGCAGTCACATTACGGTACGTCAATTGA
951 CTAATAATAGGCAATATACGCGCTCATATGCTTGCAAGCAACAATGATAC
1001 AGATAGCTATGAGATCTGTCCTAACGTTCAATTAGCCTTTACTAAATT
1051 TGCCTTCCGTGGCATGGAAGAACGCAAGCAGCCTGTTGTCGAAGCAAAGAA
1101 TGCCCTTATATTAGAAATGCAACGCCACGAAATCTGAGAAAGTTAAC
1151 GTTTGATTATATCAAATCCAATGACTGACTGCTGCAAGCAGTTATGGAAATG
1201 TCTTCTCCTAGTCATGAGGATAGCCAGCTTGATGTTGTCGCCAGATAAT
1251 GCTCACGATGAACACAATCGTGGCCACAGTACTGCCGCATCCGGAGCAC
1301 ATGCACTGTTGATATGGTTAGCCACTCTAAGTATATTGAATTGCTGCGT
1351 GAGGAGGCTCTCAAGTCTTGACATGTTGAAGTGCCTGTTACAAAACA
1401 GGCTTGGGGATTGCGAAAATTGGACAGCTTCTCAGAGAGTTAGTAT
1451 TGTCCTAACATCACAACTCACACCACATTCTCACGCTAGCTTCTCCG
1501 TACTAATGATGGTCGTTGCTAAGATCCAACGACATAATCCGCTAAGCTT
1551 GTGTATGTTAGCTAAGAGTCTCGAAAACCTGGAAATGTTGTCCTGTGC
1601 CCGAGTTCTAACGCTCTTACTACAGTAGGCTTTTCGGGTGTTAGTAT
1651 ACCCTGCCGGTATCACACTCAAGATGGCACACATGTTCTTACAACACA
1701 CTGCTTGTGTCGACCATGCGATATCCAATGACCCGGATGTGATAGA
1751 AGACCCAACCTCGTCAACGGTCTGCGATACTACGAACAGCGCTGCGT
1801 ACGCCAGTCAAGAGAAAAACGATCAATACGCTACTACGGATAAATCTCAC
1851 CTGCATTGGCTACGGAACCTGGGCCTGTCAGGCCGCTTCTGGCCTC
1901 TGATATGTTAAAAGTATTCTAACGATGCTTCTGCTTCAGTATGACATCC
1951 GCTCCCCGAGAGAGCAAAACGGCCTGTCAGGTCAATTTCATGAGTT
2001 CCGCTTTCAATATTAAACACACCAGTGTAAATGAAACGACGCAATGATT
2051 GCTAGTTCTATGA

Figure 8

1 MQYGNLTTVL LLRNTLLSLN SSSICHVHWL QVIVALLVLI VCIFLYWRTP
51 TGINAPFAGY RSPWEPLL V QMRYVFNAAS MIREGYAKWK DSLFQISRYD
101 GDILIVPPRY LDDLHNKSQE ELSAIYGLIR NFGGSYSGIT LLGENDVGIR
151 ALQTKITPNL AKLCDDIRDE FQYCLTDFFP ACRDWTSVSV HPLFLKAVER
201 ITHRIFVGLP LCRNPQWVQA TSKHAHYATM IQIAMRSVPK FIQPLLNFC
251 PWPKNAACV REAKNALILE MQRRRNLEKV NSFDYIKSND LLQAVMEMSS
301 PSHEDSQLDV VAQIMLT MNT IAGHSTAASG AHALFDMVSH SKYIELLREE
351 ALQVFRHVEL RVTQALGDL RKLDSTLRES QRHNPLSLLG FFRVVLDPA
401 ITLQDGTHVP YNTLLCVAPH AISNDPDVIE DPTSFNGLRY YEQRCRDASQ
451 EKKHQYATT KSHLHFGYGT WACPGRFLAS DMLKVILML LLQYDIRSPE
501 RAKRPVAGHF HEFPLFNINT PLLMKRRNDS LVL

Figure 9

Figure 10
Continued on pages 11, 12, 13 & 14/55

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1  AATGGACTAGAAAGTACATTGTTACAGTGCATCTCCTTAGGCTCAG
51  TCTACCTTGTGGGTCAAGTGCAGGCCACAGGCCCTGCCACAAGGTTA
101  GTAACCGCGCAAGCACGCAAAGTGTAGCGTAGTAAATTATAGGAAAA
151  ATTAGCAGTATATTAAATTATTAGCCTATCTATATAAGTAAATATACCT
201  TTAATTCACTCTATTAAATTGGATATAGACCCTAGTTAACGTGACTTCA
251  CAAGGTGAACTAAGTCCAAGAAGATAGAGGTAATTGCAGTGAGATCCACA
301  GGTCTTGTCAAGGGACGGCAATGTATGCATATATCGTCAAATGCTA
351  CGGGCATTGAATCAATGACTCTGTAGCTAGCGATAATAGCAGCGATAGA
401  AGCCTCTAGAATCTATATAGACAGTATTAAGTAAACTCTCCACCTGTATC
451  CACAGCTAACTTACATACACCTAGCCCTGTCTGAGTGCTTTAGAAGAC
501  TATGCTAACTTAGATCACACCTTAAGTGCCTAGTCTCCCAATTAGCCGC
551  GAAGAGAGAACTTATCGCAAGGAAGTGTAGATAAGGCTATAACATCCAACAGG
601  TTACTTAAAGACAACAGGCTAGGAATCAATTATAGTAGCAATCAAACACTA
651  GATCCTGTATTCTATAACAAGTAAATCCCCCTAGACTATCTGTCT
701  ATCTTAGTTACTTGGTTTGCTTGTCTTATGCCTACATTCCCT
751  AAAAGATCTTATGACGATGGCTGCCATGACTTCCATTCAATGCCAG
801  GAGAAGAAATCATATTCTCAGCCAAGTCTAGTCTACTGCAATGGTAACAT
851  TGCAGGAGACGTATCTGAAGAAAAGGTATTATACTGCTCCTTATAATC
901  TCGAATGCCACTAAAATTAGACAGGTTTGACAGCGCCGTTGGATTAT
951  TTGCGTGCCTTACCTAGCAAAGATATTGCGAGTGGACTGACCGACGCCAT
1001  TAATGAGTTCTCGCTGTCCCAGAGGAAAAGGTTCTGTCATAAAGCGTA
1051  TAATTGATCTTCTTCACAATGCATCCTTAAGTCAAGTTGAGATTGCATA
1101  ACATAGACCTAGTAGATTCTAACTAACAGCTTAGCATTGATGATATCCA
1151  GGATTCATCCAAACTGCGACGTGGAGTCCCTGTAGCCCACCACATATTG
1201  GAATCGCACAAACAATAAATTGGCAATCTAGCGTATTTCATTGCCAG
1251  AGAGAGCTTGAGAAGCTTACGAATCCTCGAGCATTGCTATATATAATGA
1301  GGAGCTAATCAATTCGATCGTGGTCAGGGTATGGAGCTCCATTGGAGAG
1351  AATCGCTCCATTGCCCTACCGAAGATGAGTATCTGCGAATGATCCAAAAG
1401  AAGACAGGGCTGTGTTCCGATTGGCAATCAGACTGCTGCAAGGGGAAAG
1451  CGCTAGCGATGACGATTATGCTCACTTATTGATACTCTGGAACCCCTGT
1501  TCCAGATTGAGATGACTATCAAAACTACAGAGTGTATATATTCTAAG
1551  AACAAAGGCTACTGTGAGGATTTAACAGAGGGAAATTCTGTATCCGGT
1601  CATCCATAGTATTGGTCGCGACCAGGAGATGTCGATTAATCAATATT
1651  TGAAACAGCGTAGTGAAGATGTTATGGTGAAGCAATACGGGTGCAACAT
1701  ATCGAATCTACAGGAAGCTTCGATTCTGTCAAATAAAATTCAATCTT
1751  GGTGGAGCAAGCAAGAGAGCAATTGGCGCTCTAGAAAATAGCAGTTCA
1801  GTGGAGGCCCGTCGCGACATCCTGACAAGTTAGCAATAAACCACGG
1851  GCAAATATAGAAGTAGAGTAGTTGACATTAAGAACATTGCGATAAAAGAC
1901  ACTTTTACTATACTCGACTAGTTAAAATATGTGTGAGATTAAGACGT
1951  CTTCAGGTACTCAAAGTGTGGAAAGTATGTCACGCAGAAAAGAGCTAACAT
2001  TGCTCTCAGCTTCTCACTATTAGTTACCAAGAGCATCCTTCATAGA
2051  GACATTGCGGCTGTGATTTCGTTACGTATGTTAAACATTGTTG
2101  TATGGTATCTTGCTTAGGAGTAGACATCCATTCTCACTCTACTCT
2151  TAGAGATCGTCAAGTGTACATACATTCTGAGAACTAGGACTTGCATA
2201  GAATATGCATCGGTTAGGTGTTGCGTAGAGAGTACGTGTGAGGTT
2251  AGCCATTGCGCTTCGTTGCGGTTACAATGGGGCAAGGCTAAAGCTT
2301  TAAAGCCACGGTGACCACTACTGCAGGTGCATTCTTTAGTCGAA
2351  AACACTAAGTTTTTACTAGTTATAATAGACTTTCTTCCTTCC
2401  CTTCTCGTAGATAAACCAATTGAAGAATTAAATATAAAAGTGTATTCTAA
2451  TCCTAGCCTTATCCCTAAATATATATATATTGTATACCTAGCTAG
2501  CTCTATGTAGGGCTAGTTCTAGTACTGCCTCTAGTTAGTTAAAAGGGAAA
2551  ACCCTTAAATAAGAAGAAAATCCCTTATTTGTCAGGCAGAAACAA
2601  CCACCCGAAAACGACGGATTGACGATGACACTAACACAAAGCTAACGA
2651  ATTTGACGATATTGCAATTGAACCTAGATATCGGGATCTAGGTCTGCGA

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Figure 10 continued

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 2751 ATAATAGGTTATTTATTAAATTAAACAATCCAAGCCTAAGGCAACGAAG
 2801 GGAGAGTAAAGTTCTATTAAAGGGAGGGAATCTAGGGTTTATCTAG
 2851 CTAGGAGGTACATGACTAGGGATCCGATGTGCCAATTGATCTGACAA
 2901 GCCAATAGATCTGACGAAGCCAAGGTCTAGGGCCCGAGGTCTGTGAGA
 2951 GAGGTCTCGAGAGGTACAATGCTAGCCACACAATATCTATCAATATATG
 3001 AATATATTATATTATGATTACCTAGATAGCAATTATGCCATTAAC
 3051 CAGTACTCCTGCCGTATGTTGCTTGTAGTAGGAAAACCATACTAGGTT
 3101 GCTAATTATCTAGATAACTAGATAACTAGTTAGTGCCTAGTTAGAACTC
 3151 GTATCTCAAATCCCTGTTACGTATCTCTACCCGCAGTCCTTTAGAT
 3201 CTTGTTATTGAGTCTCGTAGAAGTAGCACATCCGCGCTACCTGCAGCTGG
 3251 ACCAGCTATGAGACTGACAAAAACATCCTTACCATACCGTAAGCTCA
 3301 AGTGTATTCTGCTCAAGTGCTGAGAAAATAGCCCCACGGTCAAG
 3351 AAAAATCCACTTGATGTACCAAGTCATCTCATTAATCTGCTGAGTCTAGC
 3401 ATGTCGTGCAGCGATCTCGGAACACGGAAACTGCGAGCAATCGGGTACAC
 3451 CAAGGAGGCTATTCCCTATATGAAAGGGAGCAGTGGCGTCTGTGAAGG
 3501 AGAGTCGCCACGATCGCTACCATAAAATGCCATGTGGCTTATACCACT
 3551 GCACCAGAAAATAGTCCTAGGAAAGCCTCTTGCCTCTCGGCCACG
 3601 CTGTTACTAATTCTCGGCACGATATTGATTAGGATCCACAGTGAAAG
 3651 ACAGGGAAAGGCAGTGGAAAGTCCAACGTGTGAAGAGAGATAGCCTAGTGC
 3701 GGCCAAACTTCTCAAAAGTAAGCATAGTCAGTGAGTCAGAGTTAACAG
 3751 GGAATCACATACTCAAACCTGCGGAGGAATGCCCATGCGGTACGGTCTC
 3801 ATGCAGAATTATCAAATGAGCCCAACCGAGCTGAGCAATGTAAAGCATT
 3851 GGTGAAGCCAAAACCAAGGCCATTATCCCAAATGGACTGCATCGACGCA
 3901 ACAGCGCAGAACCGAACCATGGTATGTGGTCCATAGCTTAATGTAGC
 3951 ATCCGAAGAATCAATGAACGTGAAATGGCAGGGAAAGTCATGATCGGAT
 4001 ATCCTTCCCCTGACTTCCATATTACGCCGGCTAAACAAAAGAAACCTGC
 4051 AGAGAGATAAAGATCCAATCACTTCGCGACATAGGGAAAAATAGAGGAAA
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 4151 AGCATAATCCGTACAATCGTATGATATCGTCAAAGCGAGACTAACGTT
 4201 TTCTTATAGGGCTGAGAAATCTTGGCAATAGGAAACCGGAAGAATGCC
 4251 GAGTGCAGTGCACGCAAAGAATTGGCTTGAGCACCCGACCCCTCTCCAT
 4301 CCCTAACCGTGTGTCATTATCTTCGGCAATAGATATGGCGTTTCATT
 4351 TCACTGTAACATACAGATTACTCCGTATTATGTAATAATACACCCTATT
 4401 ACATGTAATATTACACGTAGGGAGGGGTGATTAGGAAGCGTGCAGGATGA
 4451 TACGTAGAAACTACTATATAATTAAACTACTCCGTATAGATAGCTAGTATT
 4501 GTTATTGTAAGGTAGGGGTCAATATAGATGATTAAGCGTTCAATTAA
 4551 GTCAATTAGAGGTGCAGACAGCACCTGAGTTGTACCTAAAAGGTACAT
 4601 AGTGCCTATAGTAATGACTAGTTACGGAGGTACTTCTAATACATTGTA
 4651 TCCACTCGTTGCTTAGAGAGAGTTTATCCTAGTCATGCGCGCTGCCT
 4701 CATAACATCCTAGGCTTAAGGGAGCTCCCTGACAGTTTGCAGCTAC
 4751 CTTAGCTACATTCAAGGGGTGCTATTACGCATAAGGGTGTGCTTAATAAA
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 4851 GCAGATTGTAACATACAGACACATGCAATACCACTAA
 4901 TAAAATATTGATTGGAGTTGTTGGAGGTGGATTAGTATAGGACTA
 4951 TAACCACTCCTATCTTACATCAGAATAAACCAATTGGTGGCTAG
 5001 ACAAAACGTAATGCTAAGCAAAAAGTGGAGAGCTGCAAAAGCCAGAGAG
 5051 AAGACATGGCGCCATAACTAAATTGATCCTTGTATATCTGATGCGAGTTGC
 5101 CACTGCGTGAGAGATAAGCAAGTTAATCGATTAGTATCCGATCAAAACT
 5151 TTTCGTTCTAGGAAAGCTTATTTCGCACACATCAATGTTCTGGAAATGC
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 5251 AATCGTGGGAGGATCAGTGGCTGGCTTCACTAGCCCAGTCTAGAAA
 5301 AAATCGGTGTTCTTCATGGTTCTAGAGAAGGGTAATCAAATAGCTCCC
 5351 CAACTCGGTGCCTCAATTGGCATTGCAAATGGTGGACGTATTCTTGA
 5401 TCAACTGGGCATCTCCATAGCATCGAGGATGAAATCGAACCTCTAGAAT

Figure 10 continued

5451 CTGCTATGATGAGATACCCGATGGTTCTCTTCAAAAGTCAATATCCC
 5501 CAAGCTTGCATACTAGGTATAACAGTGAAGAGAGTGGCTATAAGT
 5551 GTTCATATATCGCTAACCTCGTGCAGTTAATAGTTGGTTATCCCGTGG
 5601 CTTCCTTGAGAGGCAAAGGTTCTCAGATACTTTATGATAAACTCAAG
 5651 AGCAAAGACTGCCTTTACAAACAAGCGGGTAGTCAGTATTGCAAGTGG
 5701 CCAAGACAAAGTCACAGCAAAGACTTCAGATGGCGCTAAGTACTTAGCAG
 5751 ATATCGTGATCGGTGCTGACGGGTCACAGCATCGTCAGGTAGAGATT
 5801 TGGAGGCATTGAAGGAAAACCTCTCAAATATCAGTATTAGAGGCACCGAA
 5851 CGCAAGTAGGTTAACCTAGGATTAATTGCAAAGAAACTTTACTAATGAGG
 5901 GAGCCACTTAGGTATTAAGCATGATTATTGATGCTTACGGAATTCTT
 5951 TAAACGTTCCCCAGATCATCCTAGGAATACAGTTAAACTGTTAGATGAC
 6001 GGAGTGTCAATACACTTGTACGGTAAACAATCCAATTATTTGGTT
 6051 TGTTATCATCAAAACGCCTCAGGCTAGCTTGCTAAAGTAGAGATTGACA
 6101 ATACACATACAGCAAGGTGTATCTGCGAAGGACTGAGGACGAAAAGGTT
 6151 TCAGATACCTTATGTTGAAGATGTATGGTCAAGATGCACCATATTCAA
 6201 GATGACGCCCTTGAGGAAGGGTGTAAAGCATTGGAACATATGCCGCT
 6251 TAGCATGTATTGGTGTATGCTATCCGCAAGGTATGGATGATGCTATATG
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 6351 GCTAATATAAATGATCGTATCGCTAACATTACAGATGCCCAAATAAT
 6401 GGGCAAGGAGCAAATATGGCGATAGAGGACGCTTGCAGTCGCAAACAT
 6451 CCTCCAGAAAAAGATATCACATGGTCAGTCGAGACCAAGATATCAATT
 6501 CAATGTTCAGGAATTCTCTATGGCTCAACGGGCTCGCACGGAGAGCGTC
 6551 TGCAGCAGTCGGAGTTCTAGTCCGCATGCGAATCAAGGTATTGG
 6601 AAGAAGACTTCTGGCGGTACCTTATTCTTCTGTATGACGCACCTG
 6651 CTGGTTATCTGGATTTCTATAAGTGGCGAACAAAGAATAGAGTTCTATA
 6701 GACTGCCCACTAGATCTCTAGGGGAGCGTGGGAAAGTCATGGAGAGG
 6751 GTCATGGAAATTCATCCTACAAAGCTGGCTATTGCGACCCAAGTTA
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 6851 TGTCTAGCAGTCTTCCCTAGCAAGGAACAATGTCGAAAATGGCCT
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 7001 TGTGATTGAGGTGAAACTATATAACCCATTTCACACTAGGAGAAAAAA
 7051 TGTGTTATAGAAAAGTAAGCAAATAGCTAGTAAGAATATAATAAAAAGCT
 7101 AGACATGAACCTATATTCCAACAGCAAGACCTAGGTATATAGTAACTAA
 7151 AAGGTATTACGAACCTAACATATACTAATAGTATATAATAGAGTAGCTTA
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 7251 TAATAGGCCATAGTAGCACCATTAGACTAAACACAATATAGTTAGCTAT
 7301 AGTTATGTAGTCATAACTAAGAATTCAATTAGTAAACACTTAGTAAGAT
 7351 AGTAATAAGTTACTATAGAGAATATAGAGTCTATATCCTTATCCTGTTC
 7401 ATAGTGTCTATAAGCTCTAGAGCTATTCTAGAATAGCAAACGATTAGC
 7451 AAAATTGCCCTCAAGTGTAAAGAATAGCCTAGTGTAAAAACCATAGCGTTA
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 7801 ACCCTAGGAAAGAAACTAGGTTATAGGGAGAAAACCTAACAGGCAAT
 7851 AGGGAACGTCAAGTAAATGTAGAGATAGGATACTACAAAATAAGGGC
 7901 TAGGAAAACCTTGTAGATCCTTGTAGATAATTAGCAGCTAGCTAGCTATGGG
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Figure 10 continued

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 8251 AAATAAGGGCTAATTAATTAATTAAATGACGCATGAAAATATTATTGTTA
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 8351 GTTGTAGAAATATTAAAGCTCTAGTGTAAAATAAAAGCTAAGTGAAC
 8401 TAAGTGTAAATTAAAAGCACTAGGCTATAACCTATAAGATAGTGGAAAAA
 8451 GTAATAATAATAATTCACTAGCTATCTAAGCTCTTATATACTGGTATAAT
 8501 AAGGCTATATAACGAGAGAAAAGACAGTCTTACCCCTAAGTGAACAGGT
 8551 CTCGTAATTAGCCCGAAGAGGGAAAGCATCGCGATGAAAGTGTGACCTA
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 8651 CACCGGGTTGAAAAGTTCTACCTCTAGCAACTCCTCGCACCAAGCTGTT
 8701 TCTACATGCTCTTACCGCAATCTAAACTGAAACCCAAAATTACCTCGCA
 8751 CATAGCCCCATACTCGCAATTGCTTAAACATGCAATACCGTAATTAAACA
 8801 ACTGTATTACTCTCGTAATACTTATTGTCCTGAATTCTCGTCAAT
 8851 CTGCCATGTTCACTGGCTGCAAGTGTGATTGGCTCTGCTTGTGATCG
 8901 TCTGCATCTTCTATATTGGCGAACACCCACTGGCATCAATGCTCCTTTC
 8951 GCAGGATATCGTACCATGGGAGCCGCGCTTGGTCAGATGCGTTA
 9001 CGTCTCAACGCTGCCTCAATGATAACGCAAGGATATGCTAAGGTATGTT
 9051 TTATCCCGTAGAGGCTCTACCCGGATAGACCGAGAAAGATAACAACT
 9101 TCGGAACAGTGGAAAGACTCCTGTTCCAGATCTCACGATAACGACGGTGA
 9151 CATTCTATTGCGCTCCAAGATATTGGATGACCTCCACAACAAGTCAC
 9201 AAGAGGAGTTAAGTGCTATTATGGTTGATTGGGTGAGGAATGCCACC
 9251 AACCAAAAAACGCAGAGCCTATTAGCGCATGGCTCACATATTGAAATT
 9301 GCTAGAATTGGTAGCTATAGCGCATCACCTGTTGGAGAAAAC
 9351 GATGTTGGCATTGTCGCTCAGGTATGTACACCCCTCCAAAAGTCTGT
 9401 TAGGGACCTCCTACTCTACTACAGACAAAATCACCCAAATCTGCG
 9451 AAATTATGCGATGACATAAGGGATGAGTTCACTATTGCTAGATACAGA
 9501 CTTCCCAGCCTGCGAGGATGCCATTCCAAAATCCCATTATGCAGTCT
 9551 CTACTTTCTGGACTAACGATATCTAACATAGATTGGACATCAGTGT
 9601 CGTGCATCCATTGTTCTAAAAGCAGTCGAAAGGATAACACATCGGATT
 9651 TTGTTGGATTGCCATTATGCGGAATCCCCATGGGTCCAAGCGACCAGC
 9701 AAGCATGCACATTACGGTACGTCAATTGACTAATAATAGGCAATATACGC
 9751 GCTCATATGCTTGCAGCAACAAATGATAACAGATAGCTATGAGATCTGTCC
 9801 CAAAGTTCATTAGCCTTACTAAATTGCTTCCGTGGCATGGAAG
 9851 AACGCAGCCTGTTCTGTAAGCAAAGAATGCCCTATATTAGAAATGCA
 9901 ACGCCGACGAAATCTCGAGAAAGTTAACAGTTGATTATATCAAATCCA
 9951 ATGACTTGCTGCAAGCAGTTATGAAATGTCTCTCTAGTCATGAGGAT
 10001 AGCCAGCTTGATGTTGTCGCCAGATAATGCTCACGATGAACACAATCGC
 10051 TGGCCACAGTACTGCCGCATCCGGAGCACATGCACTGTCGATATGGTTA
 10101 GCCACTCTAAGTATATTGAATTGCTGCGTGAGGGAGGCTTCAAGTCTT
 10151 CGACATGTTGAACGCGTGTACAAAACAGGGCTTGGGGATTGCGAAA
 10201 ATTGGACAGCTCCTCAGAGAGTTAGTATTGTCCTAAACATCACATCTC
 10251 ACCACATCTCACGCTAGCTTCCCGTACTAATGATGGTCGTTGCTA
 10301 AGATCCAAACGACATAATCCGTAAGCTGTATGTTAGCTAACAGTC
 10351 TCGAAAACCTGAAATGTTGTCCTGCCCCAGTTCTAACGTCTCTTAC
 10401 TACAGTAGGCTTTTCGGGCGTATTAGACCCCTGCCGGTATCACACTTC
 10451 AAGATGGCACACATGTTCTTACAACACACTGCTTGTGTCGACCCACAT
 10501 GCGATATCCAATGACCCGGATGTGATAAGAGACCCAACCTCGTTAACGG
 10551 TCTGCGATACTACGAACAGCGCTGTCGTGACGCCAGTCAGAGAAAAAGC
 10601 ATCAATAACGCTACTACGGATAATCTCACCTGCATTGGCTACGGAAC
 10651 TGGGCCTGTCAGGCCGCTTCTGGCCTCTGATATGTTAAAAGTGTATTCT
 10701 AACGATGCTCTGCTTCAGTATGACATCCGCTCCCCGAGAGAGCAAAAC
 10751 GGCCTGTCAGGTCATTTCATGAGTTCCGCTTTCAATATTAAACACA
 10801 CCACTGTTAATGAAACGACGCAATGATTGCTAGTTCTATGATTATTGT
 10851 GACTTCGTTAGCATATTACATAGTGCAGAACTTAATCTAGAAAAC
 10901 GAATGAATATCTTGGCACTGTCATGCATGCACGCCCTAACATCATATT

Figure 10 continued

10951 ATTTATATTATTACTAATGGCCTAGATCTTATTACTTAGTGAAACTAGG
11001 GGAACACATCACTTCTTGCTCTAGTGTGGTTAAATGTTATTCTTG
11051 CGTACATTCATAGCAGCCGTTAGTAACCGTATTCACCTGCCTA
11101 ACAATCGTTCTAATAACACGCTAAGGGCAACAAGTGACAAGTGTAG
11151 TAATTAGTAAGCAGTTAGGTTAGGGGAGCAAGGTAGTGTAAGCGCAGG
11201 GCGTGCGGTTATTATAATAGAAAAGAATATAGTATTAGGGTTAACACTA
11251 GAAAAATCCCCTAGCTTATTAAGTAAGGAAATAGATTAGATAATTATAG
11301 TAGTAATATTATAGAATCGCTCTAGCTAAGTAGTAATTAACCAT
11351 CATCATTACCTAATCATTGGTACTATTACAGGCCTTCCGTACAGCCA

1 ATGACGATGGCTGCCAATGACTTCCATTCAATGCCAGGAGAAGAAATC
51 ATATTCTCAGCCAAGTCTAGTCTACTGCAATGGTAACATTGCGGAGACGT
101 ATCTCGAAGAAAAGGTATTTAACTGCTCCTTATAATCTGAATGCCAC
151 TTAAAAATTAGACAGGTTTGACAGCGCCGTTGGATTATTGCGTGCCTT
201 ACCTAGCAAAGATATTGCAGTGGACTGACCGACGCCATTAATGAGTTCC
251 TCGGTGTCAGAGGAAAAGGTTCTTGTCAAAAGCGTATAATTGATCTT
301 CTTCACAAATGCATCCTTACTGTAAGTTGAGATTGCATAACATAGACCTA
351 GTAGATTCTAACTAACAGCTTACGATTGATGATATCCAGGATTCTA
401 AACTGCGACGTGGAGTCCCTGTAGCCCACCACATATTGGAATCGCACAA
451 ACAATAAATTGGCCAATCTAGCGTATTCTATTGCCCAGAGAGAGCTTGA
501 GAAGCTTACGAATCCTCGAGCATTGCTATATATAATGAGGAGCTAATCA
551 ATCTGCATCGTGGTCAGGGTATGGAGCTCATTGGAGAGAATCGCTCCAT
601 TGCCCTACCGAAGATGAGTATCTGCAATGATCCAAGAACAGACAGGCGG
651 TCTGTTCCGATTGGCAATCAGACTGCTGCAAGGCGAAAGCGCTAGCGATG
701 ACGATTATGTCTCACTTATTGATACTCTCGGAACCTGTTCCAGATTGCA
751 GATGACTATCAAAACTTACAGAGTGTATATATATTCTAAGAACAAAGGCTA
801 CTGTGAGGATTTAACAGAGGGCAAATTCTCGTATCCGGTCATCCATAGTA
851 TTCGGTCGGACCAGGAGATGTTGATAATCAATATTTGAAACAGCGT
901 AGTGAAGATGTTATGGTGAAGCAATACGCGGTGCAACATATCGAATCTAC
951 AGGAAGCTCGCATTGTCAAAATAAATTCAATCTTGGTGGAGCAAG
1001 CAAGAGAGCAATTGGCGGCTCTAGAAAATAGCAGTTCATGTGGAGGCC
1051 GTTCGCGACATCCTGACAAGTTAGCAATAAACACGGGCAAATATAGA
1101 AGTAGAGTAG

Figure 11

1 ATGACTAGCGACTTCAAGGTAATAATCGTGGGAGGATCAGTGGCTGGGCT
51 TTCACTAGCCCACTGCTTAGAAAAAAATCGGTGTTCTTCGTGGTCTAG
101 AGAAGGGTAATCAAATAGCTCCCAACTCGGTGCCTCAATTGGCATTGG
151 CCAAATGGTGGACGTATTCTTGATCAACTGGGCATCTTCATAGCATCGA
201 GGATGAAATCGAACCTCTAGAATCTGCTATGATGAGATAACCGGATGGCT
251 TCTCTTCAAAAGTCAAATATCCCAAGCTTGACATACTAGGTAAACAG
301 TGAAAGAAGAGTGGCCTATAAGTGTTCATATATCGCTAACTCGTGC
351 TAATAGTTGGTTATCCCGTGGCTTCTTGAGAGGCAAAGGTTCTTC
401 AGATACTTATGATAAAACTCAAGAGCAAAGACTGCCTTACAAACAAG
451 CGGGTAGTCAGTATTGCAAGTGGCCAAGACAAAGTCACAGCAAAGACTTC
501 AGATGGCGCTAAAGTACTTAGCAGATATCGTGATCGGTGCTGACGGGTCC
551 ACAGCATCGTCAGGTCAAGAGATTGGAGGCATTGAAGGAAACTCTCAA
601 ATATCAGTATTAGAGGCACCGAACGCAAGTAGGTTAACCTAGGATTAATT
651 GCAAAGAAACTTACTAATGAGGGAGCCACTTAGGTATTAAGCATGATTA
701 TTCAATGCATTACGAAATTCTTAAACGTTCCCAAGATCATCCTAGGAA
751 TACAGTTAAACTGTTAGATGACGGAGTGTCAATACACTTGTTCAGGGT
801 AAACAATCCAAATTATTTGGTTGTTATCATCAAAACGCCTCAGGCTAG
851 CTTGCTAAAGTAGAGATTGACAATACACATACAGCAAGGTGTATCGC
901 AAGGACTGAGGACGAAAAGGTTCAAGATACCTTATGTTGAAGATGTA
951 TGGTCAAGATGCACCATTCAAGATGACGCCTTGAGGAAGGGGTGTT
1001 TAAGCATTGGAACTATGGCGCTTAGCATGTATTGGTGATGCTATCCGCA
1051 AGGTATGTGGATGATGCTATATGTCCTATTCTGTGTCATCAGTGGATG
1101 ACAAAAGAAGGCCACTATTGCGCTAATATAATGATCGTATCGCTAAC
1151 ATTAACAGATGGCCCCAAATAATGGGCAAGGAGGCAAATATGGCGATAGAG
1201 GACGCTTGCAGTCTCGCAAACATCCTCCAGAAAAAGATATCACATGGTTC
1251 GATTGAGACCAAGATATCAATTCAATGTTCAAGGATTCTCTATGGCTC
1301 AACGGGCTCGCACGGAGAGCGTCTGCGCAGTCGGAGTTCTAGTCCGC
1351 ATGCATGCGAATCAAGGTATTGGAAGAAGACTTCTGGGGCGGTACCTTAT
1401 TCCTTCCTGTATGACGCACCTGCTGGTTATCTGGATTCTATAAGTG
1451 GCGCAACAAGAATAGAGTTCATAGACTGCCACTAGATCTCTAGGGGA
1501 GCGTGGGGAAAGTCATGGAGAGGGTCACTGGGAATTCACTACAAAGCTT
1551 GGTCTATTGCGACCCAAGTTAGGATAGTTATGCCTGTATCTCGTTG
1601 CAGCTGCAGCTTATCTGTATTGTCTAGCAGTCTTCCCGTAG

Figure 12

1 ATGCAATACGGTAATTAAACAACGTATTACTTCTGCGTAATACTTTATT
 51 GTCCTGAATTCTCGTCAATCTGCCATGTTCACTGGCTGCAAGTGATTG
 101 TGGCTCTGCTTGTCTGATCGTCTGCATCTTCTATATTGGCAACACCC
 151 ACTGGCATCAATGCTCCTTCGCAGGATATCGTCAACATGGGAGCCGCC
 201 GCTCTGGTTAGATGCGTTACGTCTCAACGCTGCCTCAATGATAACGCG
 251 AAGGATATGCTAAGGTATGTTTATCCCGCTAGAGGTCTTCTACCCGGA
 301 TAGACCGAGAAGATAACAACTCGGAACAGTGGAAAGACTCCTGTTCCA
 351 GATCTCACGATACGACGGTGACATTCTATTGTCCTCCAAGATATTGG
 401 ATGACCTCCACAACAAGTCACAAGAGGAGTTAAGTGCTATTATGGTTG
 451 ATTGGGGTGGAGGAATGCCACCAACCAAAAAACGCAGAGCCTATTAGCGCA
 501 TGGTCTCACATATTGAATTGCTAGAATTGGTGGTAGCTATAAGCGGC
 551 ATCACCCCTGCTGGAGAAAACGATGTTGGCATTGCGCTTCAGGTATG
 601 TACACCCCTCCAAAAGTCTGTTAGGGACCTCCTTACTCTACTACAGACA
 651 AAAATCACCCCAAATCTTGCAGAAATTATGCGATGACATAAGGGATGAGTT
 701 TCAGTATTGTCTAGATAACAGACTCCCAGCCTGCAGAGGTATGCCATT
 751 CAAAATCCATTATGCACTCTACTTTCTGGCACTAACGATATCTAA
 801 CATAGATTGGACATCAGTGTCCGTGCATCCATTGTTCTAAAAGCAGTCG
 851 AAAGGATAACACATCGGATTGGATTGCCATTATGTCGGAATCCC
 901 CAATGGGTCCAAGCGACCAGCAAGCATGCACATTACGGTACGTCAATTGA
 951 CTAATAATAGGCAATATACCGCTCATATGCTTGCAGCAACAAATGATAC
 1001 AGATAGCTATGAGATCTGCTCCAAAGTTCATTCAAGCCTTACTAAATT
 1051 TGCCTTCCGTGGCCATGGAAGAACGCGCCTGTTGTAAGCAAAGAA
 1101 TGCCCTTATATTAGAAATGCAACGCCAGCAAATCTCGAGAAAGTTAAC
 1151 GTTTGATTATATCAAATCCAATGACTGCTGCAAGCAGTTATGGAAATG
 1201 TCTTCTCCTAGTCATGAGGATAGCCAGCTGATGTTGTCGCCAGATAAT
 1251 GCTCACGATGAACACAATCGCTGCCACAGTACTGCCGCATCCGGAGCAC
 1301 ATGCACTGTTGATATGGTTAGCCACTCTAACGTTATTAAGGAAATTGCTGCGT
 1351 GAGGAGGCTCTCAAGTCTTCGACATGTTGAAGTGCCTGTTACAAAACA
 1401 GGCTTGGGGATTGCGAAAATTGGACAGCTCCTCAGAGAGTTAGTAT
 1451 TGTCTAAACATCACAAATCTACCCACATTCTCACGCTAGCTTCTCCG
 1501 TACTAATGATGGTCGTTGCTAACGATCCAAACGACATAATCCGCTAACGCTT
 1551 GTGTATGTTAGCTAACGAGTCTGAAACCTGAAATGTTGTCCTGTGC
 1601 CCGAGTTCTAACGCTCTTACTACAGTAGGCTTTCTGGGTGTTATTAG
 1651 ACCCTGCCGTATCACACTCAAGATGGCACACATGTTCTTACAACACA
 1701 CTGCTTGTGTCGACCCACATGCGATATCCAATGACCCGGATGTGATAGA
 1751 AGACCCAACCTCGTTAACGGTCTGCAGTACAGAACAGCGCTGCGT
 1801 ACGCCAGTCAAGAGAAAAAGCATCAATACGCTACTACGGATAAATCTCAC
 1851 CTGCATTTGGCTACGGAACCTGGGCTGTCAGGGCCGCTTCTGGCCTC
 1901 TGATATGTTAAAGTGAATTCTAACGATGCTCTGCTTCAAGTATGACATCC
 1951 GCTCCCCCGAGAGAGCAAAACGGCCTGTCAGGTCAATTTCATGAGTT
 2001 CCGCTTTCAATATTAAACACACCAACTGTTAATGAAACGACGCAATGATT
 2051 GCTAGTTCTATGA

Figure 13

1 MTMAANDFPF QCQEKKSYSQ PSLVYCNGNI AETYLEEKVL TAPLDYLRAL
51 PSKDIRSGLT DAINEFLRVP EEKVLVIKRI IDLLHNASLL IDDIQDSSKL
101 RRGVPVAHHI FGIAQTINSA NLAYFIAQRE LEKLTNPRAF AIYNEELINL
151 HRGQGMELHW RESLHCPTED EYLRMIQKKT GGLFRLAIRL LQGESASDDD
201 YVSLIDTLGT LFQIRDDYQN LQSDIYSKNK GYCEDLTEGK FSYPVIHSIR
251 SRPGDVRLIN ILKQRSEDVM VKQYAVQHIE STGSFAFCQN KIQSLVEQAR
301 EQLAALENSS SCGGPVRDIL DKLAIKPRAN IEVE

Figure 14

1 MTSDFKVIIV GGSVAGLSLA HCLEKIGVSF VVLEKGNQIA PQLGASIGIL
51 PNGGRILDQL GIFHSIEDEI EPLESAMMRY PDGFSFKSQY PQALHTSFGY
101 PVAFLERQRF LQILYDKLKS KDCVFTNKRV VSIASGQDKV TAKTSDGAKY
151 LADIVIGADG VHSIVRSEIW RHLKENSQIS VLEAPNASIK HDYSCIYGIS
201 LNPVQIILGI QLNCLDDGVS IHLFTGKQSK LFWFVIIKTP QASFAKVEID
251 NHTARCICE GLRTKKVSDT LCFEDVWSRC TIFKMTPLEE GVFKHWNYGR
301 LACIGDAIRK MAPNNGQGAN MAIEDACSLA NILQKKISHG SIRDQDINSM
351 FQEFSMAQRA RTESVCAQSE FLVRMHANQG IGRRLLGRYL IPFLYDAPAG
401 LSGFSISGAT RIEFIDL PTR SLRGAWGKSW RGSWEFILQS LVYLRPKFRI
451 VYALYLVAAA AFILYCLSSL FP

Figure 15

1 MQYGNLTTVL LLRNTLLSLN SSSICHVHWL QVIVALLVLI VCIFLYWRTP
51 TGINAPFAGY RSPWEPLLV QMRYVFNAAS MIREGYAKWK DSLFQISRYD
101 GDILIVPPRY LDDLNKNSQE ELSAIYGLIR NFGGSYSGIT LLGENDVGIR
151 ALQTKITPNL AKLCDDIRDE FQYCLDTDFP ACRDWTSVSV HPLFLKAVER
201 ITHRIFVGLP LCRNPQWVQA TSKHAHYATM IQIAMRSVPK FIQPLLNFCL
251 PWPWKNAACV REAKNALILE MQRRRNLEKV NSFDYIKSND LLQAVMEMSS
301 PSHEDSQLDV VAQIMLTMMNT IAGHSTAASG AHALFDMVSH SKYIELLREE
351 ALQVFRHVEL RVTKQALGDL RKLDSEFLRES QRHNPLSLLG FFRVVLDPAG
401 ITLQDGTHVP YNTLLCVAPH AISNDPDVIE DPTSFNGLRY YEQRCRDASQ
451 EKKHQYATTI KSHLHFGYGT WACPGRFLAS DMLKVILTML LLQYDIRSPE
501 RAKRPVAGHF HEFPLFNINT PLLMKRRNDS LVL

Figure 16

Figure 17
Continued on page 22/55

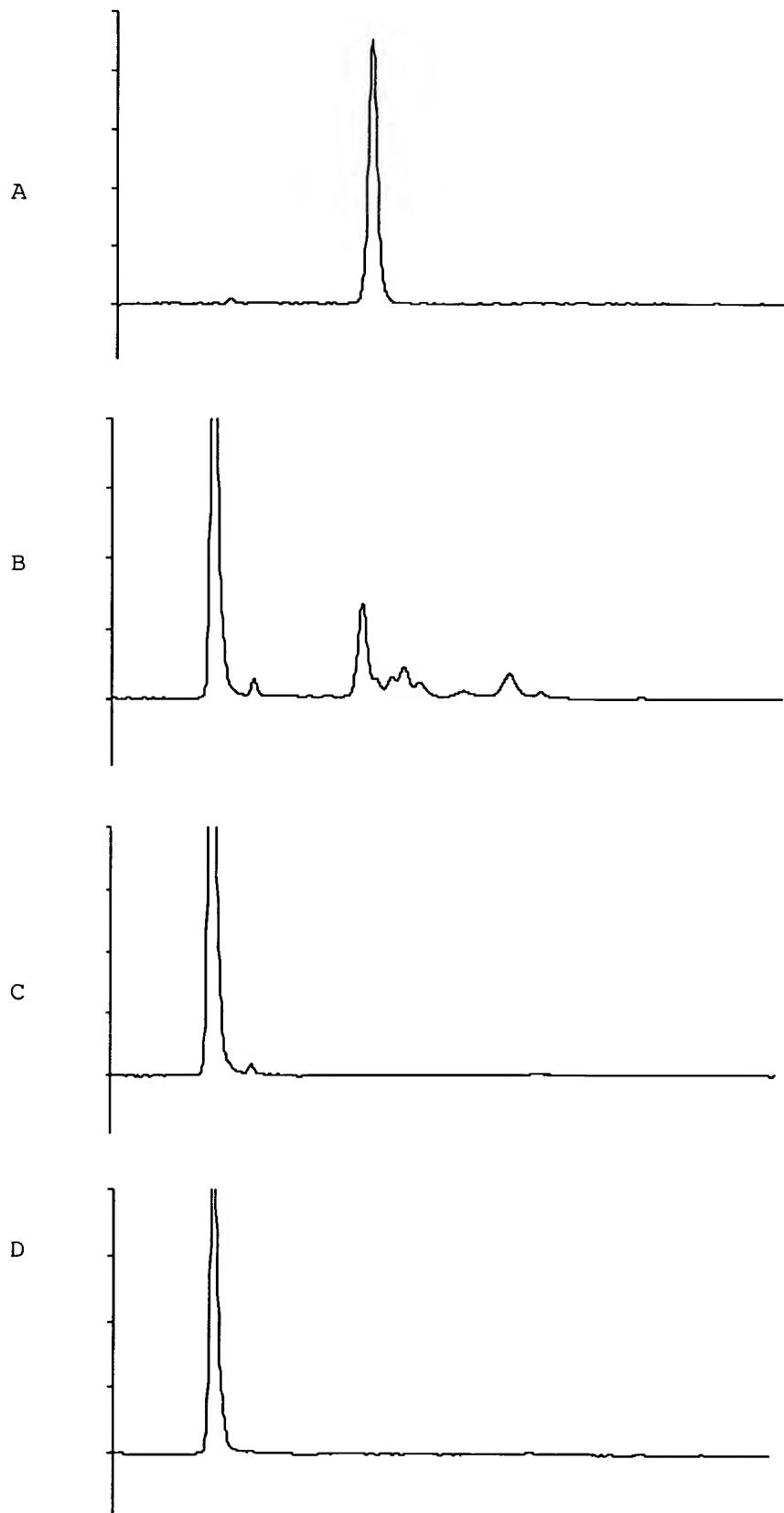
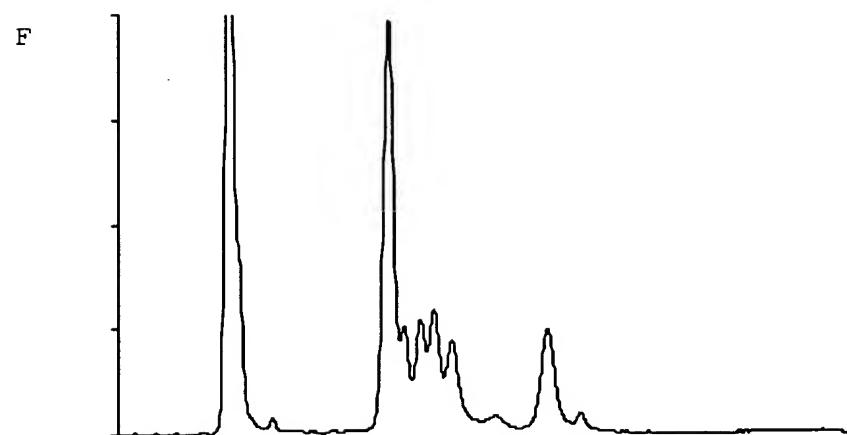
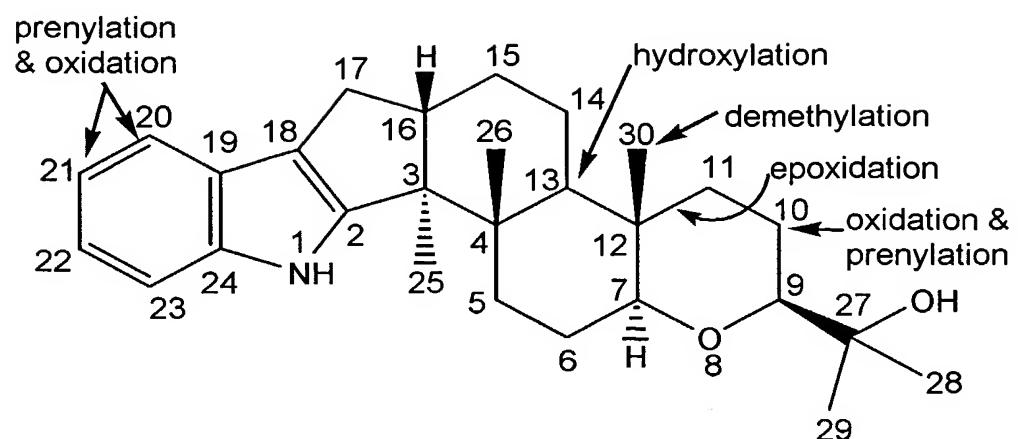


Figure 17 continued

E



F

**Figure 18**

1 TACTGTCCGTATTGATACACTTCGCTGGAATCGCAATCTGCTGTCCCGC
51.. TGTAGCTGGTAGCCATCGGACAATGTAATTGTTCTCGGACAATGCGTCT
101.. AAAAGTGAACTCGCCACTGGATTGATTGTTGTGACTCTCTCATCAGGC
151 TATCCAATTGTTCATATCAAGCATAGTCTGTTGCGTATTCCGTCAA
201 CCATGCTTGAGCACGTTTGCTGTTCTCGGAGGCTCTCCTTCAAGCT
251 GTCGTCCGAGATCATGTCAAAAGTATGTGAGTTAACGCCATAGCTGTTG
301 TATGAATGACAGCCATGCTCAATATTCCCTAGCGTA

Figure 19

1 GCCCTTAGCGTGGTCCGGCCGAGGTACCAAACGAAAGAATGTATACCA
51 ACCATTGACGTTGGCCTCGATTACTCCCCAATTCTCGATCGGCTGAG
101 TTATAATGACCATGCCGCCGCTAGTCAAACATGGCTATGAGAAGCACA
151 AAAATCAACCGTTAGGCTACTTAAGATGGACATGGATCTGATTGTCATT
201 CCTTACAATACGCGCTGGAATTACGGCGGTTACGAGCGACAAATTAGA
251 CCCTTAACAGCCAGCTTGATGACAATGCTGGTAAAGTTACGAGGATAT
301 TATTAGGGAGCGAACCTCACACACGTGCCATACAGCAGCGTTGACCCCA
351 AAGCTTCCACAAACTCTTCAGTGCTATTGGATGAGCTCAATCATGCCTT
401 TGGGCAAGTCTTACCTGCCGGCAACGACGGTTCCAATGCTTGGATTCTG
451 TCAATCCATACGAATTGGTTCTCAATCTAGCTACCCGNGCTACAGCGAGG
501 CTATTGTTGGAGACCTGATTGTCGAAACGAANTTTCTCGAGACTACT
551 GCTTCTTTAGGCGAACACGTTGGATACGATATCCNCCTCCGGAGTT
601 TTGGCAATTNGTNCCCANATTATTCGCCNGGGGATT

Figure 20

1 ACAGGAAGGACCTCGGGGAGNCCAAGAAAAACGAAGCTCCCAAGCATCG
51 ATTGTCACCCCGACAGCAACTACTTGACCTTGGGNCGGTAAATACG
101 TCTGCCCAGCGATTATAGCGGANACATGTTGAAGCTGATGATGACC
151 GCCGTGCTCCTCGCCTACGAGTTCAAGGNGCCTCNGGGAGTCCCTGTGCC
201 CGAAAANAGTATCGGCATGTCTTGCTTATCCAGGCAAGCCACACTGTTG
251 ATNAACGACGCAAAGATGGCGATCAGATTCTTAAAGTATCATTATCTGA
301 AANGAAGAAAAGAGGATGTNTNCCTCTTCCGTNAAAACTGCTGAGTGCA
351 AGTTTGAAAGGAGAGGNGTTACGAACAGAACATGTACCTGCCNGGGNGG
401 CNGCTCAAGGGG

Figure 21

1 TCCTTGGCAGTCCAAGTTGCTAAGGATGTAGTGGCTTCTGTCTGCTA
51 CTTTCGCCTTCAACAAAATGGAGCGAAACTCTACTGTCCAATTTGCA
101 GTAACACCAGACCAAGCTCGACAAGTTATAACATGCTGCCGAGTGGAT
151 TCAAGGCTTCGTACCTGAGGGATGGAGTGCAGTTCAAAGAGAAATCC
201 CGTCGCCATGACATCATTGACCTAAATGGCTCCAATGTAGCTATGAAG
251 CTCTACGTTAATCCAAGGGTAAAGGAGATTTAACCTGGTACTCCCTCATC
301 AGACTTGGCTGGGAGTTCTCCGAAATTAAACACCAGAAATGAAACCAC
351 GAGCGGTCGACTTGCTGAGAGGTTATTACCGATAATTCAAGGCCGTT
401 GCTATTGAGCTGTAGGTATTGACTGCGTTGACGACGCTCACCTATCAAA
451 TGCAAGGGTCAAGCTTACGTTACCATGAGCAGCTCATTAAACACCG
501 TAAAGAATTATGTTACTCTGGGGGTGCAATCTGGGATGAACAAACCAA
551 AAGGGCTTAGGAATACTACAAAGTATTTGCACCTATTGCTTCAGGAGCC
601 AGAGGGTATTCTGACAATGGATTGACAGCCTGTGAACGACTCTCCA
651 TGTATGCCAAAAGCTATATTAGTTCGAGCTACGCCAGGTACAGAC
701 TTCCCTCAGGTGAAGAGTCGATT

Figure 22

1 GGNNNANAANAACNTCNGGNNGGCGAATTNNNNNTCCCTNGGNGGGGG
51 GGNAGNGGCCGCCAGTTCTGGGANATCTGCAGANTTCGCCCTTCGA
101 GNNTCCNCGCCGAAGCTCTCCCTCACTTGCANTTGACGGGTACTTCCT
151 CTGCANNTCCNCACCATCANAAGNCNCAGNCNTGCTGCATACTTNANT
201 TATACTAGGTTNGTTANCCGATCATNCATGTCCNGNNGCTATTGAGCTTG
251 TAGGTCACTGGACTGCTANGACGACCTNNCTATCANATAAAAGGGCAAGC
301 TTTACGTTCATACCATGAGCAGNTCATTNACACCGTAAAGAATATGTAA
351 CTCCTGGGGGGGCATCTGGGATGACAANCCNAAAGGCTTAGGATACTNNA
401 AGATTTGCGCCTATGCTCAGGGCANAGGGATTCTGCATGATCGNAAGCTG
451 GACANTNTCATTTCANAGTNNTAGTCGNCTCCAGTCTCCNGCGTNA
501 NGNATCACNTGNGCGTNTGGGTACNGACANT

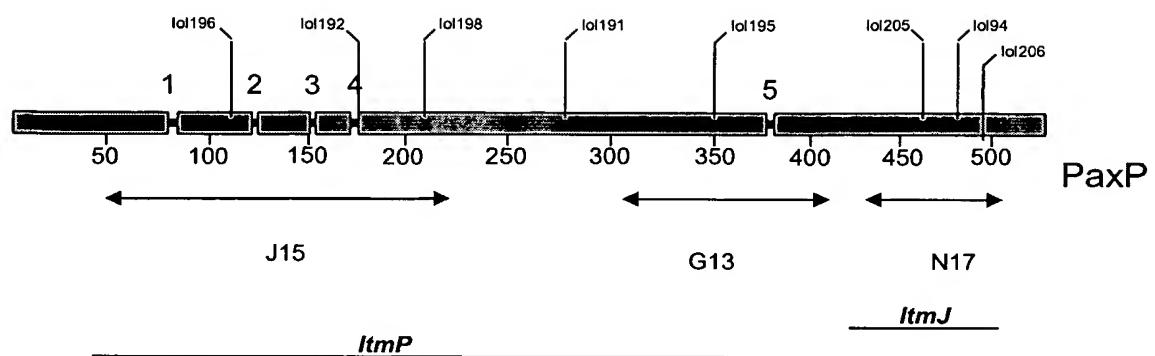
Figure 23

1 CCCTCTGGCTCCTGAAGCAATAGGNGCAAATACTTGTAGTATTCTAA
51 GCCCTTTGGGTTTGTTCATCCCAGATTGCACCCCCAAGAGTAACATAAT
101 TCTTACGGGTTAAATGAGCTGCTCATGGTATGAACGTAAGCTTGACC
151 CTTGCATTGATAGGNGAGCGTCGTCAACGCAGTCAACTACCTACAAGCTC
201 AATAGCTGACGGGCNTGATTATCGGAATAACCTCTCAGCAGGCGACCGCT
251 CGGGGTTCATTCTGGGTTAAATNCGGGNACTCCAACAAGCTGATNGGGAN
301 NCTCGCCNCCCCNTAGGNAATCANNTGGGGCGTTAGGACGNNGACAGT
351 GGN

Figure 24

1 GGACTCTCTGGCAAAGCCGTCATTCTCTCAACATGGAGTTCCATCCGT
51 TGGTCGAGCAGTTAAACAAACATTCCGTGCCTCGCCAGTCCTTTCTT
151 GGACGCGGTTGCTCATCCTCGTGGTCTTGTATTGTCATCAACATCAT
201 CCGCCAGCAGCTCCCTCGAAGTAAATCAGAGCCGCTTGTTGTTCACT
251 GGATACCGTTCATCGCAATGCCAATGCCGTTCTACGGTCTGGATCCATTGTC
301 TTCTACTCGCAATGCCAGAAAAGCATGGCGACATCTTCACTTTATCCT
351 TTTCGGCCGAAAATGACTGTTACCTGGGCCTGAAAGGAAACGACTTCA
401 TTCTCAATGGCAAACCTCAAGACGTCAACGCCGAGGAGATACGCTCCA
451 CTTACGACTCCTGTCTCGGAAGCGACATTATCTACGACTGCCAAACGC
501 AAAATTAATGGAGCAGAAGAAATTGTCAAATTGGCCTGACGCACAATG
551 CTCGTGCTCCTATGTACCTCATCGAGAAGGGAGTTATTGATTACCTG
601 AAAGTGGCACCTGCATTAAAGGCCACTCTGGTGTGTCACATTCTGC
651 TGCCATGGCTGAAATCACAATCTTACAGCGAGCAGAACGCTACAGGGCA
701 AAGAAGTCCGAAACAAGCTATCGGCTGAATTGAGAACTATATCACGAT
751 CTCGACCTGGCTTCCGTCCATCAACTCCTCATGCCATGGCGCTTT
801 GCCGCAAAAATAGACGCCGAGACGCCGCCATGCAAAGATGAGATCAATT
851 TACATCGATATTCAACGAGCGCCGAGCGTCTGGGAAA

Figure 25

**Figure 26**

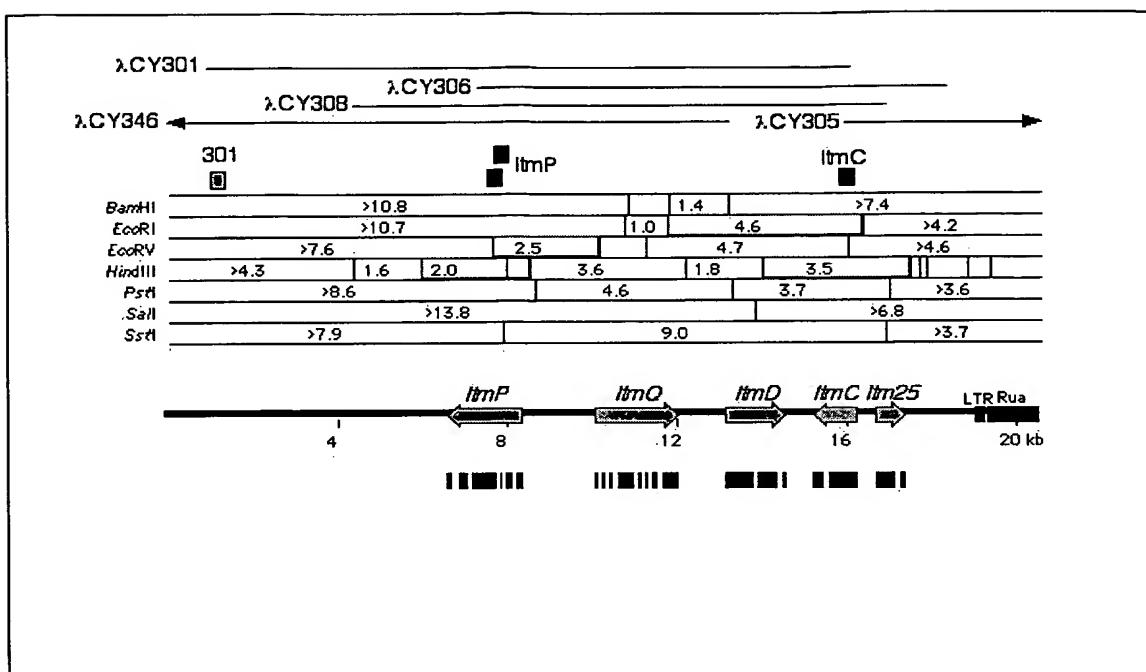


Figure 27

Figure 28**Continued on pages 34, 35 & 36/55**

ATTTATGTCTTGCAGCGCTGCGTATAATTAAAGAGCAATTATGGCTCGTGCAGCAAACAATGCC
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 CCTTCAACATACGGTAACTGTCTCCAAGCGCGAAAAGAACACGGCATTCCGATTGGGAGG
 ATCTTATCCCCATGAACAATGTTAGGAGGGCGCCGCACGGAAACTCACTATCTAGCTTAAATCATA
 CTCGAGCAGAATCCGACTCATGATTGCTTAATCATATACTATGAGCACAAACTCAAGGGTTAGTCAA
 GAAGGGTCAATGTGCGTCACATGAGCTGAAGGGAGATTGATATGGAAAAAAAGATGAAATCTA
 CATCACACATACGGAAAGCTATGAAGCGTCCCGACAGGCATATCTCCAAATCCGAAGTGCAGATTCAAG
 GCGCTGCTGTTAGAAAATGATGTTGGCAGTGCCTAACCATCGAAAAGGTTGAAACAA
 GTGAGCGTCGGATAATTCGTAAGTGTCCGTATTGATACACTTCGCTGGAATCGCAATCTGCTGCCCCG
 GCTGTAGCTGGTAGCCATCGACAATGTAATTGTTCTCGGACAATGCGTCTAAAGTGAATTCAATC
 GCCAGTTAGTCCAAGTTGACAAAAGACTGGCTTAAAGTAGTCCTTACACTCGCCACTGGATTGAT
 TCGTTGTACTCTCATCAGGCTATCCAATTGTTCATATCAAGCATAGTGTGCGTATTCCG
 TCCAACCATGCTTGAGCACGTTGCTGTTCTCGGAGGCTCTCCTCAAGCTGTCGAGGATC
 ATGTCAAAAAGTATGTGAGTTAACGCCATAGCTGTTATGAATGACAGGCATGCTCAATTCTAG
 CGTACGATGCGCAAGTGCTTCTGGCGTGCTTCATCCTCGGTGACTGCTAACACTGTACACCAGTCA
 AAAAGTCGTCGTGCTTCTCAGAGTTAAGTTCTCTGGACTTCTGAACCAAGGAGGTTTGA
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 ATTGCCAAAACATACGGGAGGGTGGATATCGTATCAAACGTGTTGCGACTAAAGAAGCAGTAGTCTCGA
 GAAAAATTTCGTTGACAAATCAGGTCTCAAACGAATAGCCTCGTGTAGCACGGTAGCTAGATTG
 AGAACCAATTGTTGACAGAAATCCAAGCATTGGAACCTCCACTAATATTAGACAACACTAG
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 TCGCTCGTAACGCCCGTAATTCCAGCGCTATTGTTAAAGGAATGACAATCAGATCCATGTCCATCTT
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 AGACTTGGGACCGAACACCTCTCATAGCCATGTTGACTAGGCGGGCGCATGGTCAATTAACTCA
 GCCGATCGAGGAATTGGGGAGTAATCGAGGCCAACGTCGAATGGTTGGTATACATTCTTCCGTTG
 GTACCGTAAACACGTACACAGTAGTAAACAGATAACCAACTGGGACAGCGTCAACATTAAACATTCT
 CAAGAGTAGCTGATTGACTTGAATGGAATATAAAATGATTATGAATTAAATTGAAATGGGCTTGGC
 ATCTACAGAATAAAAGATTATAAGACAAATAAGACAAAGCTTAAACTTATGTTAAAGTACT
 TGAAATTGTCCTAACGCATCGAATCTAATGCAACGCCCTGCTCTTTCTCTTGACACTATGTAAGGA
 GCCTGCAGCAATAACTAAGGATGTGATCCAAGTTAGCGCAGTTATTTAAATTGTCATTAGGACC
 CACTAGCGCCTTCTATATTAGACAGTATTTACGGTATATAACCTAGATAATTCAACCCTGCTTA
 TAATACAATACAATCCCTGAATTGTTACAAATCTATATAATAGAAGTAATTGAGCTAATTAAATT
 TAGCTAGGAAATAAAGGAGACAGGGGGTGGTATATTGTTAGTACTAGAACCTGCATAGAAATAGATATT
 CTCTTTGTGACGCTATATACCTGCATATTCCCTGTAGCTCTCTAATAATAGGATTACTTATAGC
 TAATCACAGCCGTTAGGGAGGAATCAATAACTAGGGCATGTAGACTGTTAAATAATTCAAGCGGGTAG
 AGTGTGTACTTAAATTACAGTGGTGTACAGGGCTATTAGATAGCCAAAGAGGGAAAGCCCTATT
 CTGACACTGGCGTAGTAAAAAAAGTGCCTAATGTATTACTTATTCTACGGATTAGTATCTG
 ATCCTATTGCAAGGCATTACTGGCACTAGTTGAAAAGATATTATAACAGGGGGAGTGGTTTA
 TGCAATGTGAACAAAGTTACAAATTCTACTCCGTATAAACATAATTATTGGGGGCTTGACATG
 TCCGTCTAGCGACAAACCCACCATGCCACGAATCCCGGGAGACCCCAATCAATCCATACACGGCA
 CTTACACAGATCATTCCATCCGCCAAGTACCGCTCTACTCCGTACACCCTAAAGCCTAGAGCA
 CGAACATATGCCGTTGCTCCCTAGTCACACACAAGATGCCCTACCCCTTCCGATCCCCCTCTCA
 CATGTGTAACTGTAACGCAAGGGTAGGTGCGGGTTCGTATCTGCTTAGCTGTTCTATTGTTAGGCGTGTG
 ATAATGCCGGGGTGCCTTAAATGTTAGCTGAAGTCATATCTGTTGCCGTGATCACATCACTTT
 ACTTCGGGCACCATTCTACGACCCCTAAAGCACACAGAACATCCATCACCAATTAAACTCAGGC
 AGTTGCAACCTACACTAACGCCATTGAAACAATATACTACTTCAAAGACTCACCTTAGGCCGTCTT
 TCACGCAGCCAAGAAGTTGAACAGCTGCTCTACATCCCTGCGAATCGGACGTTTCACGGATAG
 ACCCTCTAGGCCCTTAAATGAAGACTTCTAAATGTCAGGAGCTATCTAAGTCAAGTACGTTGACAATAC
 ATTTCTTGGAAAGTGTGTTCTCCGTTTCTTATCCCTTATCCCTTACGCCCTAGGTTCTAAAGT
 TAAAGTCGTCAAGCTAGGTTGATATGAAGATGTTAACAGAGCATTGACTTCTAAACTTAACCT

Figure 28 continued

CGCCACCATTGTAATTTCAGGCGCCACCATTATTGGTATAATATTCTCGATATCTTAATTACCCCTA
 CAAAGGTTGAATCTGTTCCCTGCTATGCACCTTCTGGATGCTCACCAAAATTTCAAGGTGA
 ATGTACCTGTTGGCATTGGAGTTGATATACAAATGGCTAGCGGCTATTATAAACGTGCGTCAT
 GCTCGACAATCTATCCCGAGGGCTATGCAAAGGTTGTAAAACGAATAAAAGCGCTCGTAA
 CAAAGAGAACAATAACTAGTTCTAGTATGGCGATTCAGCTTCAAGATACTACTATGACTCGAATG
 GAGGTATTCAATTGTGATAGACAGATGACAAGGGAGTATCAGAATGTTGACCGACTATCATTGTCGTT
 CCGAGCTGTCATGACCGAGGTAAGTAACTAGACCATGTTAAGTGTAGGAAAAGAAGAAAAGCTAAAC
 CGCCGTACAGGAGTTCAATTCAAATGGCTACTCCAGGACAGGCACACGAAGCCGGATTATCCCTA
 ACTCAGTGATTGCTAAGGCCTGAGCTGGCAGAGAACAGGGCAATAAACCCAGCGATCCATTCTC
 GAATCTTCTCCGCCAATTGTCAGGGGTTTCAGGAAGAGATGCGACGACTATCCAATATCAA
 TTCGTCAGTTATGTCAAACCGCTCCGGTGTGTCCTGGATCCAGCGCATGGTGGCATGCTGCGCTT
 GTTTCCCTGGCTCTGAAGGTAATTGGCGCCTTACTACATACGTTGTCGGCAAACCTTGTGC
 CAAGATGCGACATTCTAAACATGTGCTGTCATTGGCGATGTGATTCCAGGGATGCGATCATACT
 ACGTTCATGGCCAGATTGCAAGGCCGTAAGCAAGTGCCTAGACATAAACCGTCAGGGTTAAACT
 CGCATTAAACATTGATAGTCTTATTGTAAGATCTGAGTGCTCCAAGGGTTATGGAAAGTTGCGA
 AACATTGATTGTTGAGATAAAGAGCAGGAGAGAACAGAACCCATGAGTGTATGGCT
 GTCTCGCACACCCCTCTAGCATTACACATTAACGTATATCTAGGATATCTGGATTTCACAATGGCC
 TGGGTTGACCGTCATCCTAACGCTAGCTTGACGATCAGCACATTGCCGAGATGATGATTAACACTAT
 TTTCGAGCTCTCATACTGTCAGTCAGGTATATTCTGTATGAAAAGTCCAGAGCTTAAAGCT
 AACTGGCTCATAGCTGGTGGTCATACCCTTGGCTGTCACGTCCTGAAATATAGCGATGCG
 TTCTGGAAGAGATAAGATGCTTGGAAAGCATGGAAAGGGCACTAAAGCAGCTCTAGACTCAATG
 TTCAAGGTTGGATAGTTCATCAAAGAACGCAAGGTTAACCCCTTGTGACGCATGTATAAATTCCCT
 GTCTCGATTCCATCATTGCGATTGACTAACGCCACCGTCAGCCGCTTGTCAAGACTGGCTCTCAA
 AGACTTACTTTCCAATGCCCTAAACATCCAAAGGGCAGTGTGATTTCACGCCATTGCGCTA
 TCTTGAGGACGAGAGATATTACAAGGATCCGAAAGTTTGATGGATTCCGTTGCTAGGATGCGT
 AATGACCCAAATTAGGTCTATTCTGCACTAACAGCAACGAATGAACAAAGCATGCTTGGGAC
 TGGACGTACGCCCTGCTGGTAGATTATGGTTCTGATGAGGTCAGTTAGCTGTGATTGATATCT
 TAAGTAATTGATTTGATTGAGAATTGGACCACGCCAGAAATCAGCCATTGGTAAATT
 CTTCTACCTGATATGAGTGCAAAATCTGGCTAAGGGAGAAAGAGCTAGGGAGAAGAATCTGTGAA
 GCCGTTAAGATAATGCCATTGCTACACGATACTATGTTGAGGTTAGCGAGTTGAGAAGAGC
 TTTGAGGCCTTAAGAAATTAACTACCTATGATAATGAAGCAGCTTATTCTAACATGATTTC
 TAGCCTGTTGAAAGTGTGAGCTTACGCTAGACAATAGGATACATGTTATTAGCCTACCTGAGGGGGC
 TATGGTAAGTGACTIONTAAGATCTGCAATATCAATGAAACTATAGGAATATCTAGCTAATTAGGCCT
 ATATCTATGCTTACAAATGCAGTATTACCTCTAAGTCTATAGATAACAAGCATACTAGCTAGTTGCTT
 TCATTACGTAACGGTTGTCCTAAGTAGCGACAGCTAAGTGAGACAGATATATCAGGCACAATACAA
 TACACCCCTGAGTTCTTACAAATCTACATGCCCTAGTTACGTTCTCTCTAATAGCTATGATT
 AGCTATATGTAATACTATTAGTGTAGCTATAAGGGAAAATACAAGGTATATAACGCCATAAAAGA
 GTATATTGTTCTCTATGTAAGTGCCTAGTACAAGAATGTAATCCCTTACCTTCTGTT
 CTATCTGTTATCTAATTAGCTTAATTACCCCTGTTATGTTGAAATTAATTGAGGGGTGTAT
 TGTACATCATTCCAATCCGCTTAAATCATAGATATATGCTCCTGGCTTGTGCCACACCCCAT
 AAGTACAATGCACTGTTACATGTTACAGGCCATTGAGGCTAGAAGAGACGAATAGGTATAATA
 GTGCACATATTGCCATCCACTTAATGCTAATATCCCTTCGCTCGCTCTTATCTTGTGGACGC
 AGGTCTTACATATAAGCACTTCCGAACCTGCGTAAACTCTACTCACGCAAGGAATACAA
 TTCAAATTATATCGTGCTTGATTGATCTTCTAGGCTCCTTGTCAAGAGACTAACTAACAAAT
 TGTTGTCTCGGCTCTCACATTACACCATGATTGCAAAATATTGAACTCAATGGCTGGATCCGC
 AACCGGGCATTGGACATTCTATACTGGAAAATCACTGCATCAAACAGCTAGAATCTCTCTATGCG
 CCACAGATTCAACTGCACTGCAGACAAGGCCGCTCAACTACGCTTGTGAGGTTGGCTCC
 AATCTGGCCCTGGCGTCCAATGCCACTGGCCATCTTACACGAAGTGGTCCCCAATAAT
 GTTAAGTCTAAATACAACATCATCAAAACTGCGTCAGATATTGCTGGAGATTCTAGGGCGACTG
 GCGCAAGTAATGATGATCCTTGGCAGTCCAAGGTTGCTAAGGATGAGTGGCTCTGTGCTACT
 TTGCGCTTCAACAAATGGAGCGAAACTCTACTGTCCAATTGAGGCTGAGTAACACCAGACCAAGCTCG
 ACAAGTTATAACATGCTACCCGAGTGGATTCAAGGCTCGTACCTGAGGGAAATGGAGTGC
 GATTTGAGGAGTTTAACGGTACTCCCTCATCAGACTTGGCTGGGAGTTCCCG
 CAAAGAGAATCCCCTGCCCCATGACATCATTGACCTAAATGGCTCAATGTAGCTATGAAGCT
 TACGTTAATCCAAGGGTAAAGGAGATTGAGGTTACTGGTACTCCCTCATCAGACTTGGCTGGGAGTT
 CCGAAATTAAACACCAGAAATGAAACCACCGAGCGGTCAGTTGCTGAGGAGTAAGAATGGCT
 TTGAAC

Figure 28 continued

TTTCGCCACCTTGTCAAGCCCCATACGCTAACCGCTAACCTCCCCACACATTAACAGGTTATTACCGA
TAATTCAAGGCCGCTGCTATTGAGCTTAGGTATTGACTGCGTTGACGACGCTCACCTATCAAATG
CAAGGGTCAAGCTTACGTTACCATGAGCAGCTACCTAACACCGTAAAGAATTATGTTACTCTT
GGGGTGCATCTGGATGAACAAACCCAAAAGGGCTTAGGAATACTACAAAGTATTGGCACCTATT
GCTTCAGGAGCCAGAGGGTATTCTGACAATGGATTGACAGCCTGTGAACGACTCTCCATGTTAT
GCCAAAAGCTATATTTAGTTGAGCTACGCCAGGTACAGACTTCCCTCAGGTGAAGACCTATGTG
CCAACCTGAACTATCTCGAACCGACGGGAAACTATCCAGAACTATGAGGCGATCTCCGAGCTTG
TGACCATCCTGGGTGAAGATAGGACGTACGGCAAAATTTCAGATGCAATTGTAAGTTATCCCTT
CAGATTAGCGCTAAAGGAGTTGAGATACTCCTCAATGCAAGCTATTAGGTTGAAATTGCCACTA
CTAATTGGAGCTTTATAGCGGACCTGCAACCGAGAGTCGGAAAAAACCCATTCACTGCGACGCATC
TTTCTGTTACCGAAGAAACTGGTGTCTACCAGACGCTGTATTTCAGTCCTCCGATTGAGGGGAAA
CAGAAGTCCAGTCAAATCTGTTGCTGAGGTTGAATTAACTCCGCAATGCTACGTCTAAAAGAAGTG
TCTTGGTGAACAGATGATAGGGTCCCTGATCTTCATATATTGTTGACAGCTGTGAAATTAG
GGTCTAGCTAGATAAGCCATTGCTCAATCGTCAATTGACGTATTGAGTCTTGAGCTATTCCA
TATTTTTCTAATTAACTTGACCTTATTAAAGTGGTAGGCCGTTGCAATAATATTGCTTTGAT
CTTACAAGTGTAGCAGCTACCCCTGCACTCTGATTCTGAAACGAGCGTTGCTATTGGAGCTGTG
TCAAGAACTAGGTTGTGCGCATAGGTTAATTGCAATATCACGAGGAGAGGCCGTTAGCCAAC
CTTAAATACAGGTCTGCTAGAAAATGGTGCCTTAATACAGCTGCTATGCTACCTCTATCCCTA
AGCGTGTCTACCTGGGTCTAGGCTTGGTAAAGGGTAGTTATTACAGGCAAGAGATGTCACATC
AAGATAGTTTTGTCTAGCATAGCGCGTAGTTACATTCTCGAAATCATTTGTAAGTGCATTG
TTCTTTCGCCCCAGACGCCACCAAGTTCTAGACCCCTGACCTGCCCTGGAGCGTTTGAGAC
ACGTTTTAAACACTAGGTGACTCTAACGCTGGAGTGCCCGTTAATGTCGCTTGATTGGCT
TGAAACGCCCTCCTTATCTGGCTCAGTATGTTGCTTAAGAGCAACCACACAGGAAAGGACAA
TTCTCTGTTGCGTAGGTCTCTGCAACAGTGCCTTGGTAAAGCGTACTCTGAGTATATGTTCT
TGCAATCATTGCAATTGCGTACCAAGCTACCATTAAGTTAAGCGACCTGCCGCG
AATTATGAAACGAGGAAAAAAATTACATACCCAAATCGGCCAACAGATGTCGATTGA
TGACCTCTGGTTAAAAGCCTCCAAGGAGCACAAAAGTGTGCGCTGCTTCAGCAGAGCCATATT
TTTGTACGTCAACAGGTTCTCACCATAGGATTGAAAGATCGAAACCGTCTTCGCCAAC
AAGACATGTTGCTCCCTCGAGTATCAGTTCTAGTGCCTCAGAAGTTCAATTCCAAGGACAGGTTG
TCTTCATTGCTCTATTAAATGACCTTGTGAGAACGAAAGTATGCTCGATTGGCAGTTGCGATGATCC
GTATAGCAAGTGGACCGTACTGATGTTTCCGCTTAGGGCTGTTGCGAAATATCGTCAACCATAA
TTAGACAAGATGGACCGCATCCATGATATCCAGGATCAAAGAATGTTCTGGATATTATGTT
AATGTTGGATGAAGAAAATCCACGAGGGGAGAGAAATGATTATGCCATAGAGACTAACACATAAGA
GTATGGACAGTCAGGAATCTGCCATTGCTGCCAACATACCTCGTAGAGAGGTACGTTCATGCCAT
AGCCATAATGATCAATGGCTTGAGAAACGACAGATTGTAATTGATTGTTACTTACTAGATAACCG
AGCGTAAATGCAAACAGAGGCCGCAATTGCGATGCCGCAGGGCGAGCCACGCCATGCTCAGA
TGTCTTGGAAAGTGTACGTCGGCTAAAGGCAGATTGCCCTGAGAAAGAATTCAAGTTAAC
AAGTTTATCAATTCTCGCAATATATGCAAGAGCAACTCAAGCAAATGTTAGGAATATCGTTAGACTAT
AATTATAGAGGAGAGCTCTAGAATAGCGCAATCATAGTCTATTATGTTACGCCAGGGCGGTTA
AATACATACATATAATTCAACGACCTGTCAGGCAATCAAGATGTGCTACTCTTAAATTACATAATGAA
CAAGATGCTAGAGGTATTAAAGGCCAAATGTCCTCTGGATAGCAGACCGGACTAAACCTTCGCA
AACCATCCCTATAACTAGCTGATTATCACTATGGACGGATTGCAATATGGAGCAAGCGCCGC
TCGCTTATCAGGAAGTTCAATGGCTAGCTGAAACCTTGTCACTTCACTGGGCTTGGCTTATC
AATTACGTCTGATGATCTGGCACTCTAGGAGGGTGAACCGAGCAGCATGGCTCTACATACCCCTCTG
CAACAAACATCGCCTGGAGCTCGTATACAGATTATCTATCCGCTCTAACAAAGTGGAACTTGC
CTTCTAGCAGGTGTCATTGAAACTCCCTATCATGACCTCTGCAGGCCGTTGGCAAGATCCGAG
TGGAGTCACTCACCCACAATGGCTAACGATGCAAGGTTGATTATAGTCGCAAGGAATTGATGTG
CACCGGACATGTCAGTGGCGATGGAAATAGGACCTGCGCTGCTTACTCATGGGAGCTGTC
GCCAACTAGCTCTAACGATTGGAGGCGTGTCAATTGTCAGCAGCATAGTACTGGTGGACATCA
TGGAAACTTGGTAAGTGAATAAAATCAATTGTTCTAATCTATATTGAAATGTCATATCAGGGTGG
CTGACATGAAAGTTTCAGGTCAAGTCGATTCTAGGCTCTGTTGCGGTTGGCTTGC
CGCTGGAGACTGGCCCGAGGCGTACGGATGGCTGCCAGTCCCTTATCCTCTGGAGTCTGCCAC
GTTCTTGTGGCCGATTGACGTACGGGTTGCTCTCTTTAGGCAGAAGAGGACAGTCGAAC
TCCACTAAGCTCAGACTGCGCAACAAAAGAGTAACGGCTGAGACTAGTTCTATCGATCG

Figure 28 continued

CTATCTTACATGGTTAATGTAACCTTCTATCTTGTCTAAGGGCTACACTCAAATGAAATCATACAT
GCAACTTAAACTATCATACTACATAGGAGAGTGCCAATTAAAGCAATTAAAGCAC

ATGACATCTGGAGCATGGCTCGTGGCTGCCCTGCGGCCATCGAAATTGCGGCCCTCTGTTGCATT
TACGCTCGGGTATCTAGTAAAGTACACAATCAATTACCAATCTGTCGTTCTCAAGCCATTGATCATT
ATGGCTATGGCTATGAACGTACCTCTCACGAAGGTATTGGCGGCAGCAATGGCAAGATTCCTGACTGT
CCATACTCTTATGTGATTAGTCTCTATGGGCATAATCATTTCTCTCCCCTCGTGGATTTCTCATCC
AACATTGAAACATAAATATCCAAGAACATTCTTGTACCTGGATATCATGGATGCGGTCCATCTT
GTCTAATTATGGTTGACGATATTGCGACCACAGCCCTAACGGAAAATCACACTACGGCTCACTG
CTATACGGATCATGCGAAACTGCCAATCGAGCATACTCGTTCTCACAAAGGTCTTAAATAGAGCAAT
GAAAGAACAAACCTGTCCTTGAATTGAACTTCTGAGAGCACTAGAACTGATACTCGAGGGACAAGACA
TGTCTTGTTGGCGAAGAGACGGTTGCGATCTTCGAATCCTATGGTGAAGAAAGCCTGTTGACG
TACAAAAATATGGCTCTGCTGAAGACAGGCACACTTTTGCTCCTGGGAGGCTTTGAACCAAGG
AGGTCAATCAGACGATCTGTTAGGCCATTGGGTATGTAATTTTTTTTCGCTCGTT
ATAATTCCCGCGCAAGGTCGCTTAACTAATTCAATGGAATGGTAGCTGGTACGCACAATTGCAAAATG
ATTGCAAGAACATATACTCAGAAGAGTACGCTTTAACAAAGGCACTGTTGCAGAAGACCTACGCAAC
AGAGAATTGTCCTTCCTGTTGGCTCTTAATGACAAACATACTGAGCCGCAGATAAGGAAGGC
GTTTCAGAGCCAAATCAAGGCGACATTAAACGGGACTCCAAGCGTTAGAGTCACCTAGTGTAAAA
ACACGTGTCTCAAAACGCTCCAGGAGGCAGGTCAAGGTCTAGAGAACTTGGTGGCGTCTGGGACGA
AAAGAACAAATGCACTTACAAATGA

Figure 29

1 MTSGAWLVAR PAAIEIAALL FAFTLGYLVK YTINYQSVVS QAIDHYGYGY
51 ERTSHEGIGG SNGKIPDCPY SYVISLYGHN HFSPLVDFLH PTALKHKYPKK
101 HSLIILDIMDA VHLCLIMVDD ICDHSPKRKN HTTAHLLYGS CETANRAYFV
151 LTKVINRAMK EQPVLGIELL RALELILEGQ DMSLVWRRDG LRSFESYGEE
201 SLLTYKNMAL LKTGTLFVLL GRLLNQGGHQ SDDLLGRFGW YAQLQNDCKN
251 IYSEYYAFNK GTVAEDLRNR ELSFPVVVAL NDKHTEPQIR KAFQSQNQGD
301 IKRALQALES PSVKNTCLKT LQEAGQGLEL LVAVWGRKEQ MHFTK

Figure 30

ATGTTAATGTTGCACGCTGTCCCAGTGGGTATCTGTTACTACTGTGGTACGTTACGGTACCAA
ACGGAAAGAATGTATACCAACCATTGACGTTGGCCTCGATTACTCCCCAATTCTCGATCGGCTGA
GTTATAATGACCATGCCGCCGCTAGTCAAACATGGCTATGAGAAGGTGTCGGTCCCAAGTCTGTG
AGCATCCGTGATGATAGTACTAACCGCCTAGGTACAGCACAAAATCAACCGTTAGGCTACTAAG
ATGGACATGGATCTGATTGTCATTCTTACAATACGCGCTGGAATTACGGGCGGTTACGAGCGACAA
ATTAGACCCTTAACAGCCAGCTTGTGACAAATGCTGGAAAGTTACGAGGATATTATTAGGGAGCG
AACTTCACACACGTGCCATACAGCAGCGTTGACTCCAAAGCTTCGTAAGTGTAACTAACAGAATAC
GTTTGCACATGCTAACTGAATCCAGCACAAACTCTTCAGTGTATTGGATGAGCTCAATCATGCCT
TTGGGCAAGTCTTACCTGCCGGCAACGACGGTATGTGTTTCATTCTTCAAACATTCCACTTGTCTA
GTGTTGTCTAATATTAGTGGAGGTTCCAATGCTGGATTCTGTCAATCCATACGAATTGGTTCTCAA
TCTAGCTACCCGTGCTACAGCGAGGCTATTGTTGGAGACCTGATTGTGAAACGAAATTCTCTCG
AGACTACTGCTTCTTGTGCAACACGTTGATACGATATCCACCTCCCGTAGTTGGCAATTG
TTCACACATTATTCGACGGTGGATTCCACAGCGAAAGAAGCTCACGGGCAATTACAATACATTCA
AAACCTCCTGGTTAGAAGTCCAGAGAAGGAAACTTAACCTGAGGAAAAGCAGCAGCAGCTTTG
AGTGGTGTACAGAGTTAGCAGTCACCGAGGATGAAGCAGGCCAGAACGACTTGCACCGTACGCTA
GGAATATTGAGCATGGCTGTATTACACAGCTATGGCGTTAATCACAATCTTTGACATGAT
CTCGGACGACAGCTGAGGGAGAGCCTCCGAAGAGAACAGCAAAACGTGCTCAAGCATGGTTGGACGG
AAATCACGCAACAGACTATGCTGATATGAAACAATTGGATAGCCTGATGAGAGAGTCACAACGAATC
AATCCAGTGGCGAGTGTAAAGGACTATTCTAACGCCAGTCTTGTCAAACTTGGAACTAACTGGCGAT
TGAAGTCACCTTGTGCAACGATTGCGAGAACGAAATTACATTGTCGATGGCTACCGACTACAGCCGG
GACAGCAGATTGCGATTCCAGCGAAGTGTATCAATACGGACAGTACGAAATTATCCGACGCTCATTG
TTTCAACCTTTGATGGTTGAAACAATCTGGCACTGCCAACATCTTCTAACAGCAGGCCCT
GAATCTGCACTTCGGATTGGGAGATATGCCTGTCGGACGCTTCATAGCTCCGTATGTGATGTAG
ATTTTCATCTTTTTCCATATCAATCTCCCTCAAGCTCATGTGACGCACATTGACCTTCTTG
ACTAACCCCTGAGTTGTGCTCATAGTATATGATTAAGCAATCATGAGTCGGATTCTGCTCGAGTAT
GATTTAAGCTAGATAGTGAGTTCCGTCGCCGCCCTCTAACATTGTTCATGGGGATAAGATCCT
CCCCAATCGGAATGCCGTTGTTCTTGCACGCCGCTGGAGAAGACAGTTACCGTATGTTGA

Figure 31

1 MLMLHAVPVG ICLLLWYVVY GTKRKECIPT IRRWPRLLPQ FLDRLSYNDH
51 AARLVKHGYE KHKNQPFRLL KMDMDLIVIP LQYALELRAV TSDKLDPLTA
101 SFDDNAGKVT RILLGSELHT RAIQQRLTPK LPQTLPVLLD ELNHAFGQVL
151 PAGNDGSNAW ISVNPyELVL NLATRATARL FVGDLICRNE IFLETTASFS
201 RNTFDTISTS RSFGNLFTHY FARWISTAKE AHGQLQYIQN LLGSEVQRRK
251 LNSEEKHDDF LQWCTELAVT EDEARPEALA HRTLGILSMA VIHTTAMALT
301 HILFDMISDD SLKESLRREQ QNVLKHGWTE ITQQTMLDMK QLDISLMRESQ
351 RINPVGEFTF RRIVRERITL SDGYQLQPGQ QIAIPAKCIN TDSTKLSDAH
401 LFQPFRWLKQ SGTATTSFSN SSALNLHFGF GRYACPGRFI ASYMIKAIMS
451 RILLEYDFKL DSEFPSRRPP NIVHGDKILP NRNAVVLRR LEKTVTVC

Figure 32

ATGAAGATGTTAACAGAGCATTGACTTCTAACTTAACCGCCACCATTGTAATTTCAGGCGC
CACCATTATTGGTATAATATTCTTCGATATCTTAATTACCCCTACAAAGGTTGAATCTGTTCCCT
GCTATGCACTTTCTGGATGCTACCAAAATTTCAGGTTGAATGTACCTGTTGGCATTGGAG
TTCGATATACAAAATGGCTAGCGGTATTATAACGTGCGTATGCTGACAATCTATCCGGAGGGC
TATGCAAAGGTTGTAAAAACGAATAAAAGCGCTCGTAAACAAAGAGAACTAATACTAGTTCT
AGTATGGCGATTTCGCTTCAGATACCTACTATGACTCGAATGGAGGTATTCAATTGTGATAGACAG
ATGACAAGGGAGTATCAGAATGTTGACGACTATCAATTGTCCTCGAGCTGTCATGACCGAGGTAAG
TAACTAGACCATGTTAACGTAGGAAAAGAAGAAAAAGCTAAACCGCCGTACAGGAGTTCAATTCAA
ATGGCTACTTCCAGGCACAGGCACACGAAGCCGGATTATCCCTAACTCAGTGATTGCTAAGGCCTTGA
GCTGGCAGAGAACAAAGGGCAATAAACCCAGCGATCCATTCTCGAATCTTCTCCGCCATTCA
CAGGGGTTTCAGGAAGAGATGCGACGACTATCCAATATCAAATTGTCAGTTATGTCAAACCGCTC
CGGTGCTGTCCTGGATCCAGCGCATGGTGGCATGCTGTGCCTGTTCCCTGGCTCTGAAGGTA
TTGGGCGCTTACTACATACGTCTGTTGCCAACCTTGTGCCAAGATGCGACATTCTAAACATG
TGCTGTCATTGGCGATGTGATTCCAGGGATGCGATCATACTACGTTCATGGCCAGCATTGGCAAG
GCCGTAAGCAAGTGCCTAGACATAAACCGTCAGGGTTAAACTCGCATTAAACATTATAGCTTA
TTGTAAGATCTGAGTGCTCAAGGGTTAGGGAAAGTGTGAAACATTGATTGAGATAAAAG
AGCAGGAGAGAACCCACGAAACGAACCCAAATGAGTGTATGGCTGTCTCGCACACCCCCCTAGCATT
ACACATTAACGTATATCTAGGATATCTGGATTTCACAATGGCTGGGTTGACCGTCATCTAACGCT
AGCTTGACGATCAGCACATTGCCAGATGATGATTAACACTATTTCGCAGCTTCATACGTCAG
TCAGGTATATTTCTGTATGAAAAGTCAGAGCTAAAGCTAACTGGCTCATAGCTGGTGGTGC
TACCATCTTGAGCTGCCTCACGCTCTGAATATAGCGATGCGCTCTGGAAAGAGATAGATGCATGCT
TTGAAAAGCATGGAAAGGGCACTAAAGCAGCTAGACTCAATGTTCAAGGTGGATAGTTCATAAA
GAAACGCAGAGGTTAACCTCTTGACGCATGTATAAAATTCCCTGTCTCGATTCCATATTGCGATT
TGACTAACGCCACCGTCAGCGCTCTGCAAGACTGGCTCTCAAAGACTTACTTTCCAATGGCCT
AAACATCCCAAAGGGCAGTGTGATTTCACGCCGAATTGCCATTCTTGAGGACGAGAGATATTACA
AGGATCCGAAAGTTTGATGGATTGCGTTGCTAGGATGCGTAATGACCCAAAATTAGGTCTATT
TGCACCTAACAGCAACGAATGAACAAAGCATGCATTGGACTGGACGTACGCCGTCTGGTAG
ATTATGGTTCTGATGAGGTCAAGTTAGCTGTGATTCAATCTTAAGTAATTGCAATTGATTG
AGAATTGGACCAACGCCAGCAAATCAGCATTGTAATTCTTCTACCTGATATGAGTGC
ATCTGGCTAACGGAGAAAAGAGCTAGGGAGAAGAATCTGTGA

Figure 33

1 MKMLTEHFDF PKLNFATIVI SGATIIGIIF LRYLNYPKVNVPVVGIGVR
51 YTKWLAIIIN VRHARQSIRE GYAKYGDFAF QIPTMTRMEV FICDRQMTRE
101 YQNVDDYHLS FRAVMTEEFQ FKWLLPGQAH EARIIIPNSVI AKALSWQRTR
151 ANKPSDPFFE SFSAEFMQGF QEEMRRLIQY QNSSVMSNRS GAVLDPAHGW
201 HAVPCFPLAL KVIGRLTTYV LFGKPLCQDA TFLNMCCQFG DVIPRDAIIL
251 RSWPALARPL IVKILSAPRV MGKLRNILIV EIKSRRESHE TNPMSDLDF
301 TMAWVDRHPN ASFDDQHIAE MMINTIFAAL HTSSQLVVHT IFELASRPEY
351 SDALLEEIDA CFEKHGKGTK AALDSMFKVD SFIKETQRFN PLDASALARL
401 ALKDFTFSNG LNIPKGSVIF TPNSPIFEDE RYYKDPKVFD GFRFARMRND
451 PKLGLFCDLT ATNEQSMHFG TGRHACPGRF MVSDEVKLAV IHILSNFDFC
501 IENFGPRPAN QPFGKFLLPD MSAKIWLREK RAREKNL*

Figure 34

ATGGAGCAAGCGCCGCTCGCTTATCAGGAAGTCAATGGCTAGCTGAAACTTTGTCACTTCATGGG
GCTTGGCTGGCTTATCAATTACGTCTGATGATCTGGCACTCTAGGAGGGGTGAACCGAGCAGCATGG
CTCTCATACCCCTCTGCAACAACATCGCCTGGGAGCTCGTATACACGATTATCTATCCGTCTCTAAC
AAAGTGGAACTTGGGGCTTCATAGCAGGTGTCACTTGAACCTCCTTATCATGACCTCTGCAGCCCG
TTCGGCAAGATCCGAGTGGAGTCACTCACCCACAATGGCTAAGCATGCAGGTTGATTATAGTCGCAG
GAATATTGATGTGCTTCACCGGACATGTAGCATTGGCAGTGGAAATAGGACCTGCGCTTGCTTACTCA
TGGGGAGCTGTATGCCAAGTAGCTCTAACGATTGGAGGCCTGTCAATTGTTGCAGCAGCATAG
TACTGGTGGGACATCATGGAAACTTGGTAAGTGAATAATCAATTACGTTCTAATCTATATTGAAT
GTCATATCAGGGGTGGCTGACATGAAAGTTTCAGGTCAAGTCGATTCTAGGCTCTGTTGCGGT
TGGCTTGCCTTCTCGCTGGAGATACTGGCCCGAGGCCTACGGATGGCTGGCCAGTCCCCTATCC
TCTGGAGTCTTGCCACGTTCTGTGGCCGATTGACGTACGGGTTGTCTCCTTCTTAG

Figure 35

1 MDGFSNMEQA PLAYQEVTQWL AETFVTFMGL GWLINYVLCI WHSRRGEPESS
51 MALIPLCNNI AWELVYTIYY PSPNKVELAA FIAGVTLNFL IMTSAARSAR
101 SEWSHSPTMA KHAGLIIIVAG IILMCFTGHVA LAMEIGPALA YSWGAVICQL
151 ALSIGGVCQL LQQHSTGGTS WKLWSSRFLG SCCAVGFAFL RWRYWPEAYG
201 WLASPLILWS LATFLVADLT YGVCLL

Figure 36

ATGATTGCAAAAATATTGAACCTAACGGCTGGATCCGGAACCAAGGGCATTGGACATTCTATACTG
GAAAAATCACTGCATCAAACAGCTAGAATCTCTCCTATGCGCCACAGATTCAACTGCACTGCAGACA
AGGCCGCTCAACTACGCATTGTAGAGTTGGTCTCCCCAATCTGGCCCTCGGCCGTCCAATGCC
ACTGGGCCATCCTATCTTACACGAAGTGGTCTCCCCAATAATGTTAAGTCTAAATAACACATCATAAA
AAACTGCGTCAGATATTGCTGGGAGATTCTAGGGCGACTGGCGCAAGTAATGATGATCCTTGGCAG
TCCAAGTTGCTAAGGATGTAGTGGCTCTGTCTGCTACTTTCGCCTTCAACAAAATGGAGCGAA
ACTCTACTGTCCAATTTCAGTAACACCAAGACCAAGCTGACAAAGTTATTAAACATGCTACCCGAGTG
GATTCAAGGCTTCGTACCTGAGGGATGGAGTGCAGTTCCAAAGAGAAATCCGTTGCCATGACAT
CATTGACCTAAATGGCTCCAATGTAGCTATGAAGCTCTACGTTAATCCAAGGGTAAAGGAGATTAA
ACTGGTACTCCCTCATCAGACTTGGCTGGGAGTTCCCTCGAAATTAAACACCAAGAAATGAAACCACG
AGCGGTGACTTGCTGAGAGGTAAAGAATGGCTTGAACCTTCGCCCACCTGTCAAGCCCCATACGCT
AAGCGCTAACTCCCCACACATTAACAGGTTATTACCGATAATTCAAGGCCGCTGTCTTACGTTACCATG
TAGGTATTGACTGCGTTGACGACGCTCACCTATCAAATGCAAGGGTCAAGCTTACGTTACCATG
AGCAGCTATTAAACACCGTAAAGAATTATGTTACTCTGGGGGTGCAATCTGGGATGAACAAACCCA
AAAGGGCTTAGGAATACTACAAAGTATTGGCACCTATTGCTTCAGGAGCCAGAGGGTATTCTGACA
ATGGATTGACAAGCCTGTGAACGACTCTTCCATGTTATGCCAAAGCTATATTAGTTGAGCTA
CGCCCAGGTACAGACTTCCCTCAGGTGAAGACCTATGTGCCACTTGGAACTATCTCGAACCGACGG
GGAAACTATCCAGAACTATGAGGCATCTCCGAGCTTGTGACCATTCTGGGGTGAAGATAGGACGT
ACGGCAAATTTCAGATGCATTGTAAGTTATCCCTCAGATTAGCGCTAAAGGAGTTGAGATA
CTCCTCAATGCAAGCTATTAGGTTGAAATTGCCACTACTAATTGGAGCTTTATAGCGGACCTGC
AACCGAGAGTCGGAAAAACCCATTCACTGCGACGCATCTTCTGTTACCGAAGAAACTGGTGTCT
ACCAGACGCTGTATTTCAGTCCTCCGATTGAGGGGGAAACAGAAGTCCAGTCAAATCTCGTTGCTTGA

Figure 37

1 MIAKNIELNG LDPATRALDI LYWKNHCIKQ LESLLCATDS YCTADKAAQL
51 RILSELVLPN LGPRPSNATG PSYLTRSGSP IMLSLNTTSS KNCVRYCWEI
101 LGATGASNDD PLAVQVAKDV VASLSATFRL STKWSETLLS NFAVTPDQAR
151 QVINMLPEWI QGFVPEGMEC DFPKRIPFAM TSFDLNGSNV AMKLYVNPRV
201 KEILTGTTPSS DLVWEFLRNL TPEMKPRAVD LLERFITDNS GPSAIELVGI
251 DCVDDAHLSN ARVKLYVHTM SSSFNTVKNY VTLGGAIWDE QTQKGLGILQ
301 SIWLLLQEP EGISDNGFDK PVNDSSMLCQ KLYFSFELRP GTDFPQVKTY
351 VPTWNYLRTD GETIQNYEAI FRACDHPWGE DRTYGKIFQD AFGPATESRK
401 KPIHCDASFL FTEETGJVYQT LYFSPPIEGE TEVQSNLVA

Figure 38

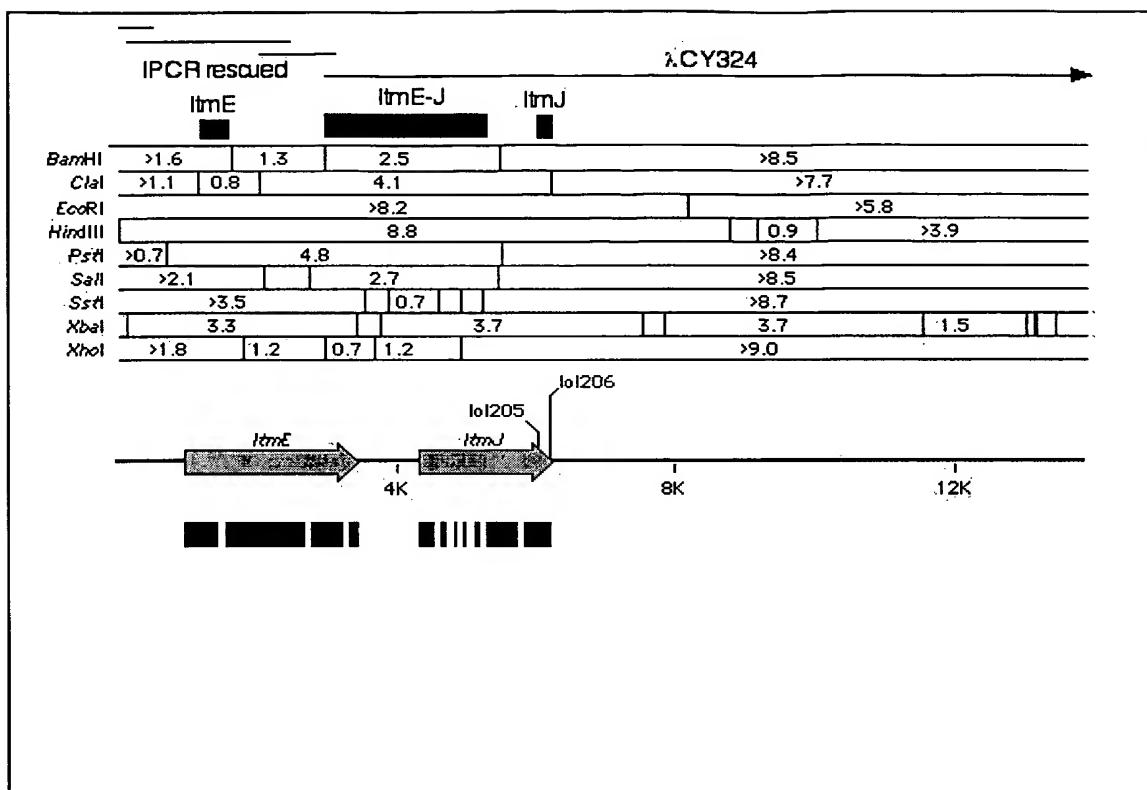


Figure 40
Continued on page 49/55

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ATAATAGGTAATATTAAGATTAATTAAATAAAACCTTAGAGATACTATAGATAGCTTATAAAAGCT
ACTTTAGGTTAACATATAAGGACTTTACTATAAAATTAGATTATAAGAAATTCCATTAAATTAT
ATAATTAGGGATTATTATAATCTCTCCTACCTTAATCTTAGCTTAATAAATATCTAGCTA
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GTTCTGCTGCGGGTGTCAACAGGACAATGCGAGAGAACCCAGTCCTGGCCGGTGGACTAAACAG
CCTGGAAAGAAATTCAACCAGGGTCAGGACGAGTCTTGTGTGGCGCCGCACGGCTGGAGACTTTC
CCGTCGCCGATGACGAGAGACTGGCAGCCTACGTGCGCATGTCCCCTCTAAACGGCTCCCTTTC
GTGCTCCCTCGGACGGCTTCTAGCCAACGGTGGTACCGAGTTGATGACCTGCTGGTACGCTTGGTA
CGTTCTGCCTCTGTCCCAACAAAGAGGGCCCGACTAACTGGTTCTCTGTGTTGAAGCCTG
TACGCGCAGCTGCAACATGATTGCAAGAACATTACTCTCCGAATACGCTCTCAACAAGGGATCCGT
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TGGTATTCTCTGCCAAATACACTTGTCAAGATTCTACGGACGGTTGATAGGTTGGCAACGCCAAGG
CCGTCGACATGCTTGAGCAGTCAGTCTGGAGGACTATCCAGGTCCGAGGTACTAACAGATT
TTGTCAGGTTCTGGCAGAGGGAGCACAGCATAGGCGCTGTCGAACTGATTGCCATTGATTGCTGCCA
GAAGAAATGCGCCATCGCGCGGATCAAGGCTACGTTCACACCAGTAGCAACTCGTTCAGACAGT
ACGCAAGTACATGACAATGGGTGGCCGTCATGGATCCTGCGACCCCTCGAGGGTCTGGAAAACCTG
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ACTGGCTTAGCTCGATGCAGCATACTGTACTTAGCTACGAGATGACGCCCTGGCAATGCTGATCC
CGCGTCAAAGTCTACATACCTGTGCAAAGCTACGCGCCAGACGACAAGACCATCGCGCAGAACTACG
AGGCAAATTTCGGCAACTCAACTGGCGTGGGGCAACCCGGGTTACGAAGCGGTGATAGAGAGT
GCTCTGTAACGTAATGACAGGCCCTTGACCATATTACTTACTGACAACCTTGTGAATTAGGACAGT
AAAGCACAGCGCGAACGTTCTCCATGGAGGATCTTCTTCATCTTCAAAGGGCGAGGAGTT
ATCAGTCATATCTAGACCCCTCACTGGAGGAAGGAGGGAACATTGCTGTATTGAGCACCACGAC
GATCAGGATACTATAGTTGACCTTGGCAATATGTAGTCTGTATCAATTGATCAGCTGTATGAGCTC
TTGTGTTTTCTCTAGCTAGTTGGCCTGAATGTTGAAAAACATGCTGTATGAACACTAGTGTG
AAGAAGGGTTGAAAGTGAGCATGTACCGCAAACATTATTCTCACCTGCTCGAGATAGCTCACCG

Figure 40 continued

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 CTTTGCCGATCCTAAAGTCTAGACCTGAATAGTGACGCAGCTGGTATGATTGGTGCAGGACAATTAC
 TCGCCCCACGGCGACCGCATGCCGGGGGCCGGAGACCCGGCATGCAGAACGATCAGCTT
 GAGCTCCTACGTGCGCATGTCATTCAAGCATGCACATATATATTGAGACCTACTGTATGCAGCCTC
 GAATGTAACCGTAGTATTCAAACAAGAACATGCATATATTGCATGATGCTTCCGGCTGC
 ATATGATATACATGGTTACATATGAGCTGACTTGAAGCACGGCATAGCCGGAGGATTCTTCTGCATG
 GAGCACTGTATCCGGCTGAAAATTACATTGTACGGAGGTCTCAATCTGGCCAGCTAGCCGAGCACCG
 GAGAACCGGGCATCTCTGCTGAACTCGGCAAGGGACTCACTTCTACAAAAGTCAGAGATGCATAC
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TGTGATTAAACGACGCAAAGATGGCGATCAGATTCTTAA

Figure 41

1 MAFASLLHHI WNHAVDCAEQ LTWWQTIVSF IIFCIMCSWL PGNGEMRAPF
51 VGYRWPFEPT FWVRMRFIFQ SLGMMTEGYS KFKDSMFKIT TNDADWLVLS
101 QRYLDDLQSL PAERLSHTDA LVTMWGSSHS PFALLNKSDL SSRALRDVVA
151 PNYAKDLDSDL VDELRLYSLEH DIDIQDDWKP IDALELSSKL VLRLISQRIL
201 GWPMSRDQEL LECAQGYADA ATVVQFALKL LPRQIRPLVY PLLPQAWATK
251 SWIRRCDKIL AKEMQRRQVL EKSDPVYEKP KDLLQGMVDL EPSRPVDKLG
301 HDFLVQALIS RMAPVVTMAQ TLVDLALHPE DIEELRDEVL QVIGPDGAGL
351 GNLRQSFTKL DKMDSVLRES ARFTPLSMMT MHRRVQDAKG ITLHDGVHLP
401 RGTHVAFPAY HIGRDPKLVS GADIYDGLRW YRKDLGEAQE NEAPKHRFVT
451 PDSNYLTFGS GKYVCPGRFI AEHMLKLMMT AVLLRYEFKW PPGVPVPEQQ
501 YRHVFAYPSK TTLLIKRRKD GDQIL

Figure 42

ATGAAACCTACTACTCGCTGTCCATTGACTATCTGGTGAGCCAGTGTGGAAAGCATATTCAAAAC
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TTATGGACGCTGTCCACTCTCCGCCATCTTGTGATCGATGACATTGCCAACAAAGTGTCTACGCAGG
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CGGACGGCTTAGCCAACGGTGGTACCGAGTTGATGACCTGCTGGTACGCTTGGTACGTTCTG
CCTCTGTCCCAACAAAGAGGGCCGCCAGTCAACTGGTTCTCTTGTGTTCTGAAGCCTGTACGCGCA
GCTGCAACATGATTGCAAGAACATTACTCTCCGAATACGCTCTCAACAAGGGATCCGTCGCTGAAG
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GGCAGTCAGGACGCGTGCCTGCACGCACTCGAGGCTGCGAGTGTGGCTTGGAGACCTTGTGAGG
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Figure 43

1	MKPTTRCPFD	YLVSQCGKHH	FKTFVQLLSP	LLQDEDPPDRY	ALILDIMDAV
51	HFSAILIDDI	ANQSALRRNQ	PAAHVVFGET	ETATRAYLVL	LRVVNRTMRE
101	NPVLAGELLN	SLEEIHQGQD	ESLVWRRDGL	ETFPVADDER	LAAYVRMSRL
151	KTGSLFVLIG	RLLANGGTEF	DDLLVRFGLY	AQLQXDCKNI	YSPEYALNKG
201	SVAEDLRNGE	LSYPVVVALI	ENKAEGIVGE	ALRTRSDGDT	EQALRVLESP
251	AVKDACLHAL	EAASVGLEDL	VEAWGRREKM	RSDTLDGDDL	TRPSTITQHE
301	QDDHVDRAAI	DAKSDASGSS	NKSLTPPETA	PTTDTLSETA	VGDISSVDVD
351	YWTRRCVPII	GSLLKSCRVY	SEAERETQLR	FLQEHVLPNL	GPRPSSPGSQ
401	IQSMATFSGF	PLQPSINLSG	SGQAKVRYTF	EPLDSLSGTE	VDPFALAPAQ
451	RVLEKLSTLL	GVWPGWIDAL	IAAYHPTREE	VEQLHPNLHE	YLRGVLVRTT
501	GRQDVQVPPM	PRMWVCFVAL	DLEGASQALK	VYFDPKIKEA	VTGIPSCKYT
551	CQILRTVDRF	GNAKAVDMLE	QFLAEEHSIG	AVELIAIDCV	PEEMQPSARI
601	KVYVHTMSNS	FQTVRKYMTM	GGRCMDPATL	EGLENLHDVW	YSLLGESQGI
651	VNEEYSKPLT	GFSSMQHHLY	FSYEMTPGNA	DPGVKVYIPV	QSYAPDDKTI
701	AQNYEANFRQ	LNWPWGEPGV	YEAVIESALG	PVKHSRATFL	HGGSSFIFSK
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Figure 44

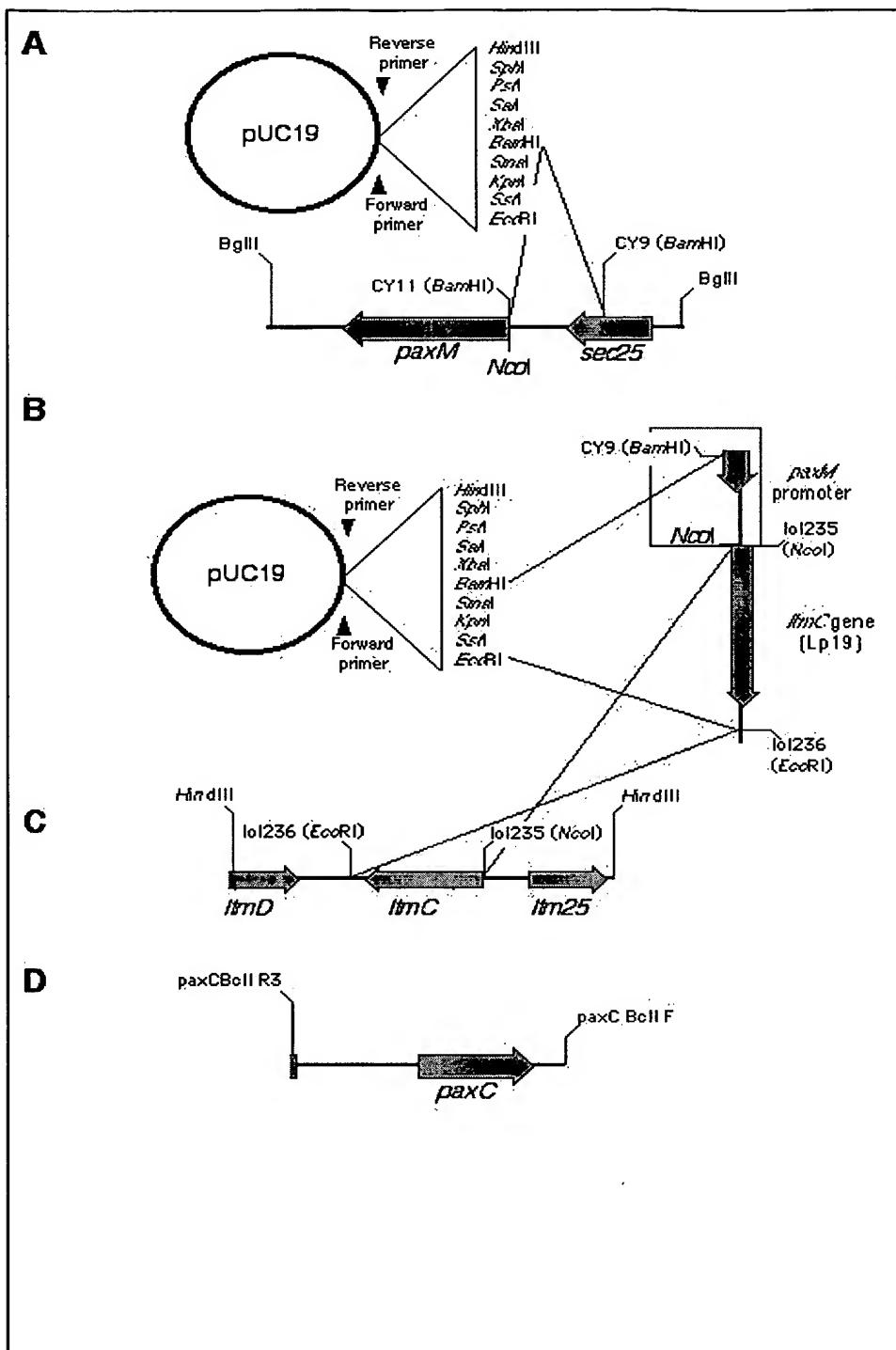


Figure 45

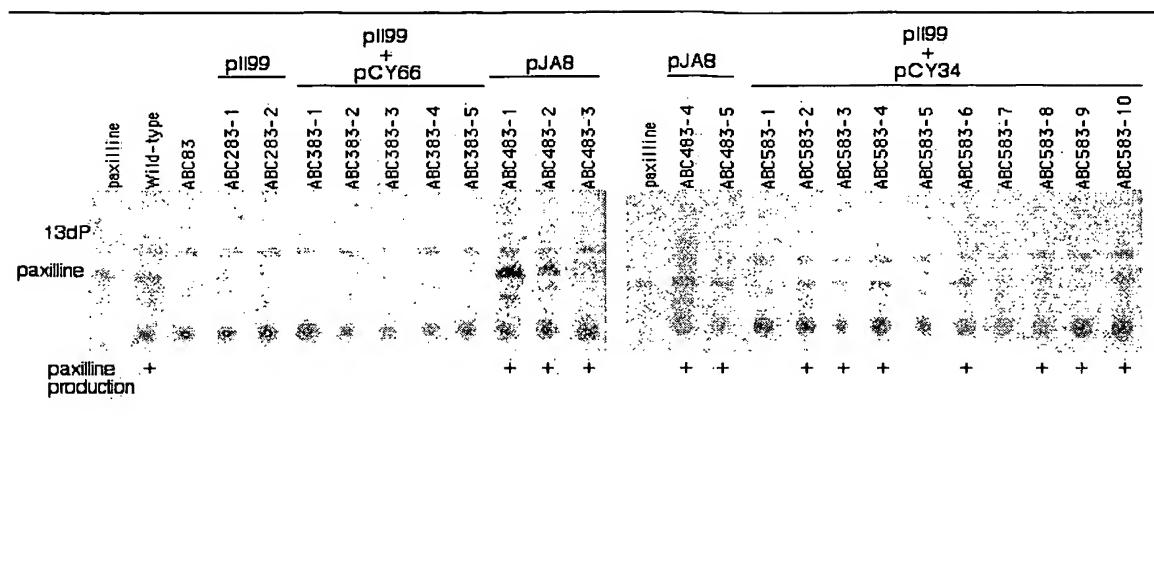


Figure 46

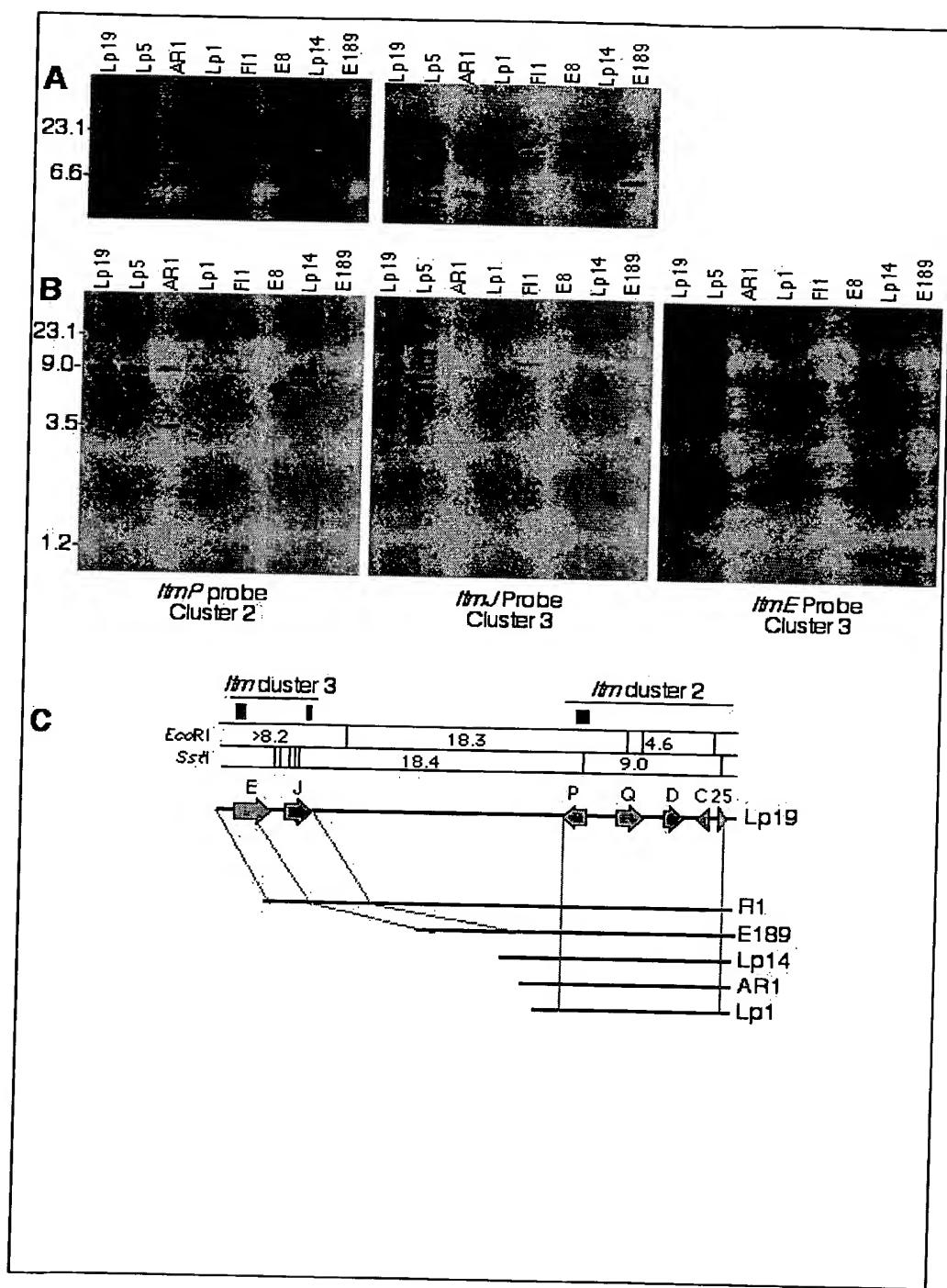


Figure 47